

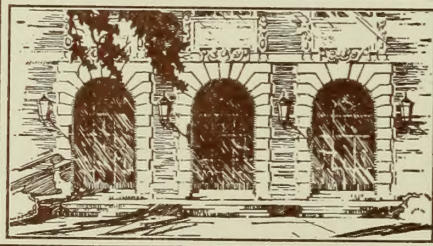
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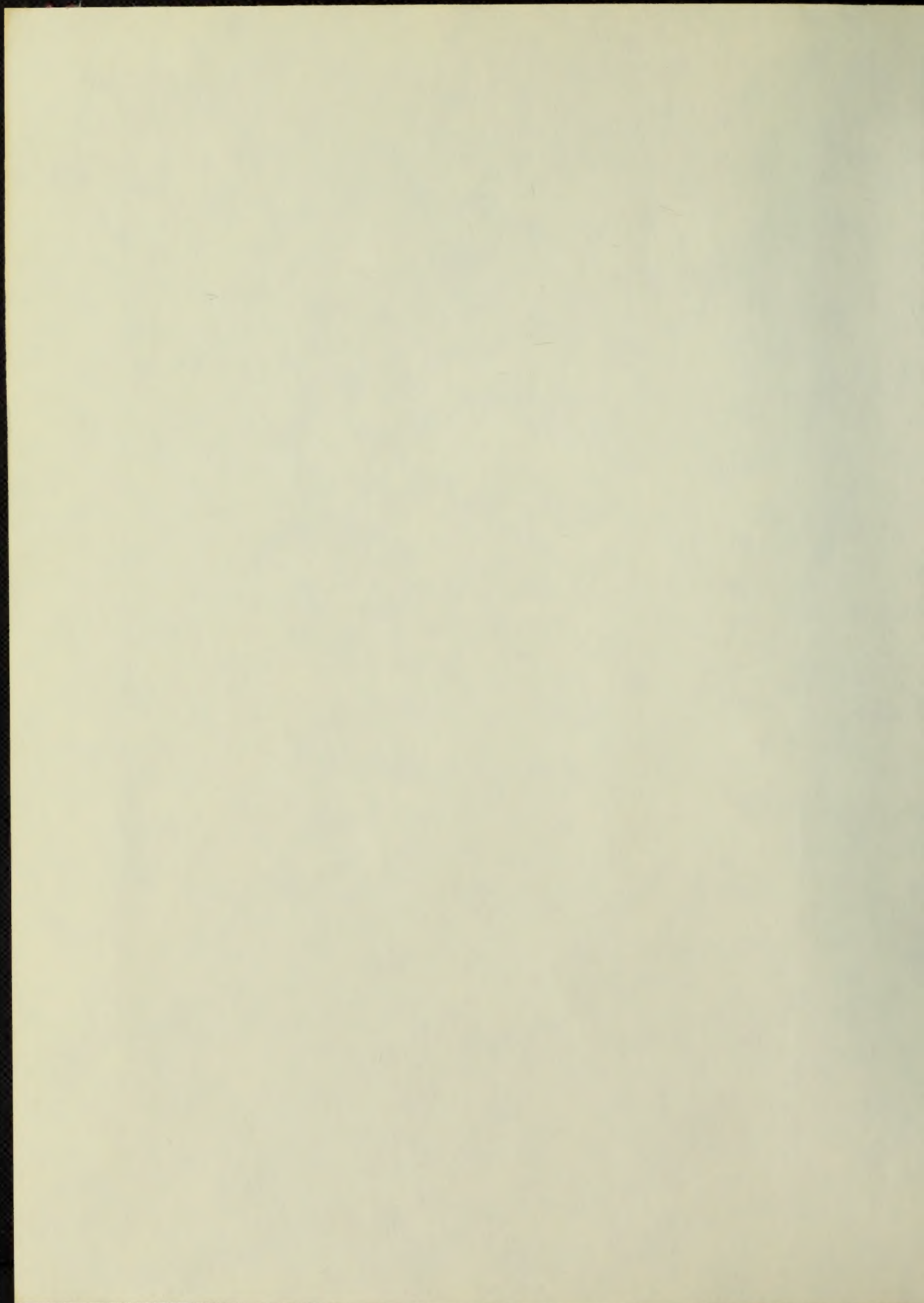
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~~Endocrinology~~

ENDOCRINOLOGY INDEX

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EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are

numbered consecutively. These numbers are then used in the Author and Subject Indexes to enable the reader to identify references with ease. The complete citations (including index terms) are found but only the first three authors are listed. Foreign titles appear in the original language; these titles have been translated into English in the Subject Section. Following each citation are index terms which have been assigned to describe the contents of the article. Index terms appear in capital letters; some of these are accompanied by subheadings which appear in lower case letters. Asterisks (*) identify the index terms under which articles appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appearing in the bibliography are listed, followed by citation numbers which correspond to the numbers in the Author Section. The Subject Index is included for the convenience of the reader who wishes to select articles falling in categories of his own conception. For example, one who is interested in protein binding of a particular hormone could quickly find whether there were any articles dealing with this subject by determining if there were any citation numbers common to the two headings "protein binding" and the name of the specific hormone.

Author Index

The names of all authors are listed, followed by citation numbers which correspond to the numbers in the Author Section.

DISTRIBUTION

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ENDOCRINOLOGY INDEX

**National Institute of Arthritis,
Metabolism, and Digestive Diseases**

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PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1978.

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Table of Contents

CATEGORY 1: PITUITARY

	Page
I. Physical and Functional Aspects	
Pituitary Gland.	1
Pituitary Gland, Anterior.	6
Pituitary Gland Function Tests*.	9
Pituitary-Adrenal Function Tests (See CATEGORY 3: ADRENAL)	
Pituitary Gland Irradiation.	9
Pituitary Gland, Posterior	9
II. Disorders of the Pituitary Gland	
Acromegaly	11
Adenoma, Basophilic.	11
Adenoma, Chromophobe	11
Adenoma, Eosinophilic.	12
Chiari-Frommel Syndrome.	--
Craniopharyngioma.	12
Diabetes Insipidus	12
Dwarfism*.	13
Dwarfism, Pituitary.	14
Froehlich's Syndrome	15
Gigantism.	15
Hyperpituitarism*.	--
Hypopituitarism*	15
Hypothalamo-Hypophyseal System, Abnormalities and Injuries	--
Infantilism.	16
Pituitary Diseases*.	16
Pituitary Gland, Abnormalities and Injuries.	16
Pituitary Gland, Anterior, Abnormalities and Injuries.	--
Pituitary Gland, Posterior, Abnormalities and Injuries	--
Pituitary Neoplasms*	16
Sheehan's Syndrome	18
Simmonds' Disease.	18
III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs	
Corticotropin (ACTH)	19
Cosyntropin.	22
Follicle Stimulating Hormone (FSH)	23
Gonadotropins*	26
Gonadotropins, Pituitary*.	26
Luteinizing Hormone (LH), (ICSH)	27
Lipotropins.	--
Menotropins.	32
Melanocyte Stimulating Hormone (MSH)	32
Neurophysins	33

*See also more specific terms

	Page
III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)	
Oxytocics.	34
Oxytocin	34
Phelypressin	--
Pituitary Hormones	35
Pituitary Hormones, Anterior*.	36
Pituitary Hormones, Posterior*	--
Pituitrin.	36
Prolactin.	36
Somatotropin (GH).	39
Thyrotropin (TSH).	43
Vasopressin (ADH).	45
Vasotocin.	48

IV. Related Topics	
Cyclofenil (F-6066).	49
Hypophysectomy	49
Lactation.	49
Somatomedin (Sulfation Factor)	51

CATEGORY 2: THYROID

I. Physical and Functional Aspects	
Thyroid Gland.	53
Thyroid Gland Function Tests*.	58
Basal Metabolism (See SUBJECT INDEX)	
Protein Bound Iodine Test (See V. Related Topics)	
Thyroidectomy.	59
II. Disorders of the Thyroid Gland	
Cretinism.	61
Goiter*.	61
Goiter, Endemic.	62
Goiter, Exophthalmic	62
Goiter, Nodular.	64
Goiter, Substernal	64
Hyperthyroidism*	64
Hypothyroidism*.	67
Myxedema	69
Thyroid Crisis	70
Thyroid Diseases*.	70
Thyroid Gland, Abnormalities and Injuries.	71
Thyroid Neoplasms.	71
Thyroiditis.	73
Thyroiditis, Lymphomatous.	74

*See also more specific terms

III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs	
Calcitonin (See CATEGORY 6: PARATHYROID AND BONE)	
Dextrothyroxine.	76
Diiodotyrosine	76
Iodotyrosine	76
Thyroglobulin.	76
Thyroid Hormones*.	77
Thyronine.	78
Thyroxine.	78
Triiodothyronine	81
IV. Thyroid Antagonists and Inhibitors	
Carbimazole.	84
Methimazole.	84
Methylthiouracil	84
Propylthiouracil	84
Thiouracil	85
Thyroid Antagonists*	85
V. Related Topics	
Exophthalmos	86
Exophthalmos Producing Substances (EPS).	86
Iodides.	86
Iodine	87
Iodoproteins	89
Long-Acting Thyroid Stimulator (LATS).	89
Protein-Bound Iodine Test.	90
Thyroxine-Binding Protein.	90
CATEGORY 3: ADRENAL	
I. Physical and Functional Aspects	
Adrenal Cortex	93
Adrenal Cortex Function Tests.	94
Adrenal Glands	95
Adrenalectomy.	100
Pituitary-Adrenal Function Tests	101
II. Disorders of the Adrenal Glands	
Addison's Disease.	102
Adenoma, Virilizing.	102
Adrenal Cortex Abnormalities and Injuries.	--
Adrenal Cortex Diseases.	102
Adrenal Cortex Neoplasms	102
Adrenal Cortical Rest Tumor.	102

*See also more specific terms

	Page
II. Disorders of the Adrenal Glands (Continued)	
Adrenal Gland Diseases*	102
Adrenal Gland Hyperfunction*	103
Adrenal Gland Hypofunction*	103
Adrenal Gland Neoplasms*	104
Adrenal Glands, Abnormalities and Injuries	105
Adrenogenital Syndrome	105
Bartter's Disease.	105
Cushing's Syndrome	106
Hyperaldosteronism	107
Waterhouse-Friderichsen Syndrome	107
III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs	
Adrenal Cortex Hormones*	108
Aldosterone.	111
Androgens* (See CATEGORY 4: GONADS)	
Androstanes* (See CATEGORY 4: GONADS)	
Androsterone	113
Betamethasone.	113
Corticosterone	114
Cortisone.	116
Dehydroepiandrosterone	117
Desoxycorticosterone	118
Dexamethasone.	119
Estranes* (See CATEGORY 4: GONADS)	
Estrogens* (See CATEGORY 4: GONADS)	
Etiocholanolone.	121
Fludrocortisone.	121
Flumethasone	121
Fluocinolone Acetonide	121
Fluorometholone.	121
Fluprednisolone.	122
Flurandrenolone.	122
Glucocorticoids*	122
Hydrocortisone	123
Hydrocortisone, Topical.	128
Hydroxycorticosteroids	128
17-Hydroxycorticosteroids.	128
Hydroxycorticosteroids Synthetic	129
Hydroxypregnenolone (See CATEGORY 4: GONADS)	
Hydroxyprogesterone (See CATEGORY 4: GONADS)	
Ketosteroids	129
17-Ketosteroids.	129

*See also more specific terms

	Page
III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analog (Continued)	
Methylprednisolone.	130
Mineralocorticoids*	131
Paramethasone	131
Prednisolone.	131
Prednisolone, Topical	--
Prednisone.	133
Pregnanediol (See CATEGORY 4: GONADS)	
Pregnanes* (See CATEGORY 4: GONADS)	
Pregnanetriol	135
Pregnenes (See CATEGORY 4: GONADS)	
Pregnenolone (See CATEGORY 4: GONADS)	
Progesterone (See CATEGORY 4: GONADS)	
Triamcinolone	135
Triamcinolone Acetonide	135
IV. Related Topics	
Aminoglutethimide	137
DDD	137
Metirapone.	137
Pituitary-Adrenal System.	138
Renin	138
Spirolactone.	141
Transcortin	141
V. Adrenal Medulla	
Adrenal Medulla	142
Adrenochrome.	--
Catecholamines*	143
Chromaffin System	143
Dopa.	144
Dopamine.	144
Epinephrine	144
Hydroxydopamine	--
Isoproterenol	144
Levodopa.	144
Methyldopa.	--
Methyldopahydrazine	--
Methylnorepinephrine.	--
Norepinephrine.	144
Normetanephrine	--
Pheochromocytoma.	145
Vanilmandelic Acid.	146

*See also more specific terms

I. Physical and Functional Aspects	
Gonads*	147
Ovary	
Corpus Luteum	148
Graafian Follicle	149
Ovary*	151
Testis	
Leydig Cells	157
Sertoli Cells	157
Testis*	157
II. Disorders of the Gonads	
Arrhenoblastoma	164
Bonnevie-Ullrich Syndrome	--
Brenner Tumor	--
Corpus Luteum, Abnormalities and Injuries	175
Corpus Luteum Cyst	164
Cryptorchism	164
Disgerminoma	164
Eunuchism	165
Gonads, Abnormalities and Injuries	--
Graafian Follicle, Abnormalities and Injuries	--
Granulosa Cell Tumor	--
Gynandroblastoma	--
Hermaphroditism	165
Hypogonadism*	166
Infantilism (See CATEGORY 1: PITUITARY)	
Klinefelter's Syndrome	166
Leydig Cells, Abnormalities and Injuries	--
Leydig Cell Tumor	167
Meigs' Syndrome	167
Ovarian Cysts	167
Ovarian Diseases*	168
Ovarian Neoplasms*	168
Ovary, Abnormalities and Injuries	170
Pseudohermaphroditism	170
Puberty, Precocious	171
Sertoli Cell Tumor	--
Sertoli Cells, Abnormalities and Injuries	--
Sex Chromosome Abnormalities	171

See also more specific terms

	Page
II. Disorders of the Gonads (Continued)	
Sex Differentiation Disorders.	172
Stein-Leventhal Syndrome	172
Struma Ovarii.	172
Testicular Diseases*	172
Testicular Feminization.	173
Testicular Neoplasms*.	173
Testis, Abnormalities and Injuries	174
Theca Cell Tumor	174
Turner's Syndrome.	174
III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs	
Algestone Acetophenide	--
Anabolic Steroids*	176
Androgens*	176
Androstanes*	177
Androstenedione.	177
Androstenes*	178
Androstenols	179
Androsterone (See CATEGORY 3: ADRENAL)	
Chlormadinone.	179
Chlorotrianisene	--
Clomiphene	179
Contraceptives, Oral*.	180
Contraceptives, Postcoital	182
Corpus Luteum Hormones	182
Cronolone.	--
Cyproterone.	182
Dehydroepiandrosterone (See CATEGORY 3: ADRENAL)	
Diethylstilbestrol	183
Dimethisterone	--
Dromostanolone	--
Dydrogesterone	--
Estradiol.	183
Estranes	--
Estriol.	189
Estrogenic Substances, Conjugated.	190
Estrogens*	190
Estrogens Synthetic.	194
Estrone.	194
Ethinyl Estradiol.	196
Ethisterone.	197
Ethylestrenol.	--

*See also more specific terms

	Page
III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogues (Continued)	
Ethinodiol Diacetate.	197
Etiocholanolone (See CATEGORY 3: ADRENAL)	
Fertility Agents.	--
Fluorometholone	197
Fluoxymesterone	197
Gonanes*.	197
Hexestrol	197
Hydroxymethyltestosterone	--
Hydroxypregnenolone	197
Hydroxyprogesterone	197
17-Ketosteroids (See CATEGORY 3: ADRENAL)	
Lynestrenol	198
Medroxyprogesterone	198
Megestrol	198
Menotropins (See CATEGORY 3: PITUITARY)	
Mestranol	198
Methandrostenolone.	199
Methenolone	--
Methyltestosterone.	199
Nandrolone.	199
Norethandrolone	199
Norethindrone	200
Norethynodrel	200
Norgestrel.	200
Normethandrolone.	200
Oxandrolone	200
Oxymetholone.	201
Pregnanediol.	201
Pregnanes*.	201
Pregnanetriol (See CATEGORY 3: ADRENAL)	
Pregnenes*.	202
Pregnenolone.	202
Progestational Hormones	202
Progestational Hormones, Synthetic.	203
Progesterone.	203
Relaxin	208
Sex Hormones*	208
Stanolone	209
Stanozolol.	210
Testolactone.	210
Testosterone.	210

*See also more specific terms

	Page
IV. Related Topics	216
Castration.	216
Estrus.	217
Feminization.	
Lactation (See CATEGORY 1: PITUITARY)	217
Ovulation	218
Puberty	219
Sex Chromatin	219
Sex Chromosomes	221
Sex Determination	222
Sex Reversal, Gonadal	

CATEGORY 5: PLACENTA

I. Physical and Functional Aspects.	223
II. Disorders of the Placenta	225
Chorioadenoma	225
Choriocarcinoma	226
Hydatidiform Mole	--
Placenta, Abnormalities and Injuries.	226
Placenta Disorders.	227
Trophoblastic Tumor	
III. Placental Hormones, Precursors, Metabolites and Synthetic Analogs (See also specific terms in CATEGORY 3: ADRENAL and CATEGORY 4: GONADS)	
Gonadotropins, Chorionic.	228
Gonadotropins, Equine	230
Placental Extracts.	--
Placental Hormones*	230
Placental Lactogen.	230
Pregnant Mare's Serum	231
Somatomammotropin	231

CATEGORY 6: PARATHYROID AND BONES

I. Physical and Functional Aspects.	233
II. Disorders of the Parathyroid Glands	235
Hyperparathyroidism	236
Hyperparathyroidism, Secondary.	237
Hypoparathyroidism.	237
Parathyroid Diseases*	237
Parathyroid Glands, Abnormalities and Injuries.	237
Parathyroid Neoplasms	237

*See also more specific terms

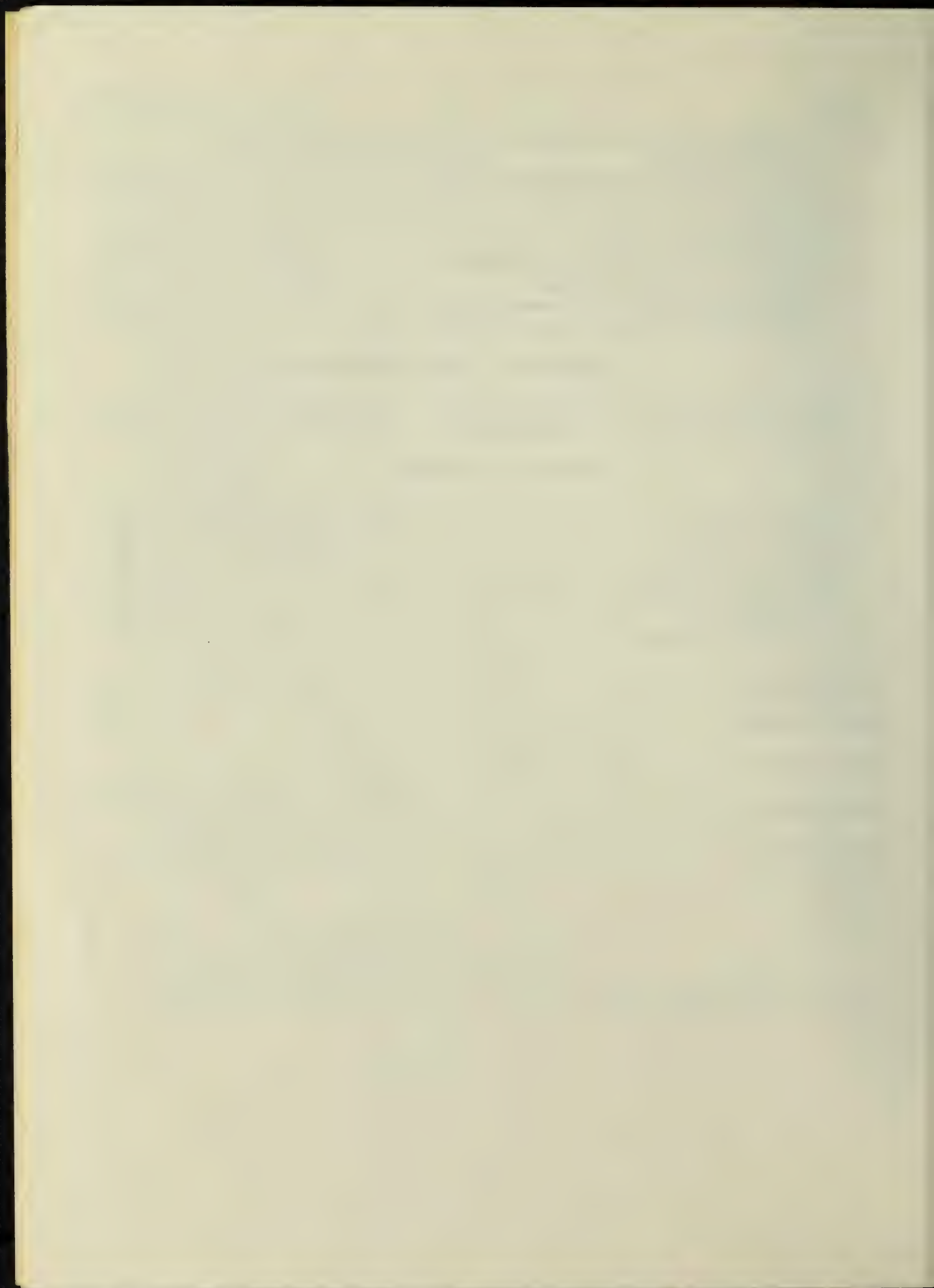
III. Parathyroid Hormone.	Page . 239
IV. Bone Metabolism and Related Topics	
Bone and Bones . . . . .	. 241
Calcification, Physiologic . . . . .	. 245
Calcitonin (Thyrocalcitonin) . . . . .	. 245
Calcium Metabolism . . . . .	. 246
Cholecalciferols . . . . .	. 250
Dihydrotachysterol . . . . .	. 250
Dihydroxycholecalciferols. . . . .	. 250
Ergocalciferol . . . . .	. 251
Ergosterol	--
Hydroxycholecalciferols. . . . .	. 251
Hypercalcemia. . . . .	. 251
Osteitis Fibrosa Cystica . . . . .	. 252
Osteogenesis Imperfecta. . . . .	. 252
Osteomalacia . . . . .	. 253
Osteopetrosis. . . . .	. 254
Osteoporosis . . . . .	. 254
Pseudohypoparathyroidism . . . . .	. 255
Pseudopseudohypoparathyroidism . . . . .	. 255
Renal Osteodystrophy . . . . .	. 255
Rickets. . . . .	. 256
Rickets, Vitamin D Resistant . . . . .	. 257
Tetany . . . . .	. 257
Thyrocalcitonin (See Calcitonin)	
Vitamin A. . . . .	. 257
Vitamin D. . . . .	. 257
Vitamin D Deficiency . . . . .	. 258

CATEGORY 7: NEUROENDOCRINOLOGY

I. Physical and Functional Aspects	
Amygdaloid Body. . . . .	. 261
Hypothalamo-Hypophyseal System . . . . .	. 262
Hypothalamus . . . . .	. 263
Neurosecretory Systems . . . . .	. 268
Pineal Body. . . . .	. 269
II. Disorders of the Amygdaloid Body	
Amygdaloid Body, Abnormalities and Injuries.	--
Hypothalamus, Abnormalities and Injuries	--
Pineal Body, Abnormalities and Injuries.	--
Pinealoma. . . . .	. 271

	Page
III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs	
Corticotropin Releasing Hormone (CRH)	272
LH-FSH Releasing Hormone	272
Melatonin.	274
MSH Releasing Hormone.	275
Pituitary Hormone Releasing Hormones*.	275
Prolactin Releasing Hormone.	275
Somatotropin Releasing Hormone	275
Thyrotropin Releasing Hormone (TRH).	276
CATEGORY 8: CYCLIC NUCLEOTIDES	
Adenosine Cyclic 3', 5' Monophosphate.	279
Guanosine Cyclic 3', 5' Monophosphate.	284
CATEGORY 9: APPENDIX	
Adenyl Cyclase	287
Guanyl Cyclase	289
Hormones, Ectopic.	289
Neoplastic Endocrine-like Syndromes.	290
Nerve Growth Factor.	290
Prostaglandins	290
Receptors, Hormone	294
REVIEW SECTION	298
METHOD SECTION	303
AUTHOR SECTION	A-1
SUBJECT INDEX.	A-373
AUTHOR INDEX	A-417

*See also more specific terms



PITUITARY

I. Physical and Functional Aspects

PITUITARY GLAND

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II. Disorders of the Pituitary Gland

ACROMEGALY

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- Cryophypophysectomy: a technique for the therapeutic induction of hypopituitarism. Bleasel K, et al. *Aust NZ J Surg* 44(3):250-4, Jul 74
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ADENOMA, CHROMOPHOBE

COMPLICATIONS

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PITUITARY

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CRANIOPHARYNGIOMA

- Nasopharyngeal craniopharyngioma. Prasad U, et al. *J Laryngol Otol* 89(4):445-52, Apr 75
- [Depressive psychoses in the course of brain tumors] Rieke J. *Nervenarzt* 46(3):152-9, Mar 75 (Ger)

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- Nasopharyngeal craniopharyngioma. Prasad U, et al. *J Laryngol Otol* 89(4):445-52, Apr 75

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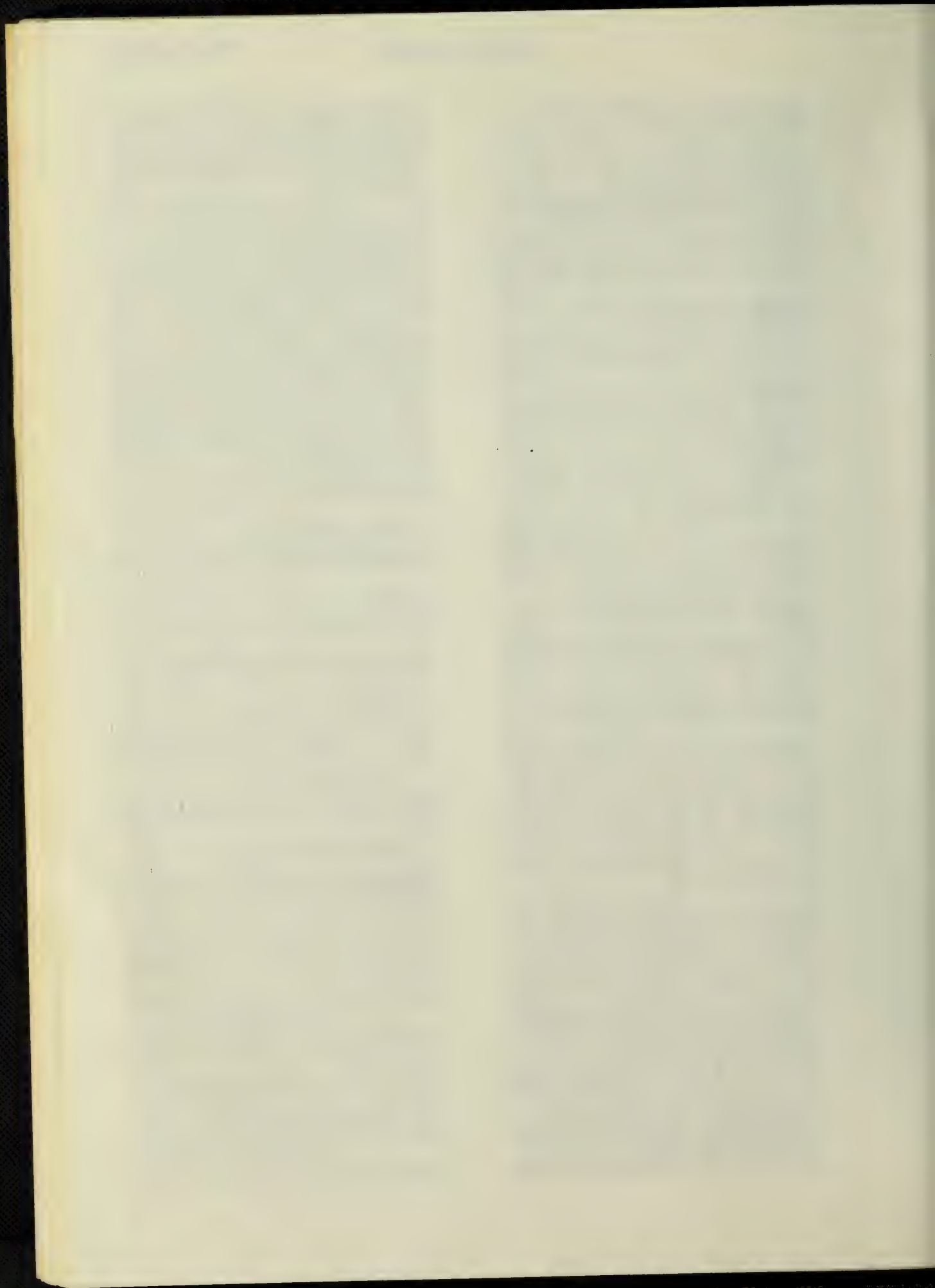
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- Ocular myasthenia gravis and Hashimoto's thyroiditis.
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[Indication of operation in various forms of
Hashimoto's thyroiditis. Clinical observations]
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- Ocular myasthenia gravis and Hashimoto's thyroiditis.
Osher RH, et al. *Am J Ophthalmol* 79(6):1038-43, Jun
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et al. *J Clin Endocrinol Metab* 40(5):795-801, May 75
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DRUG THERAPY

Ocular myasthenia gravis and Hashimoto's thyroiditis.
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Absence of linkage between the HLA system and production of anti-thyroglobulin antibodies. Salabe GB, et al. *Tissue Antigens* 5(3):213-5, Apr 75
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Reduction in extrathyroidal triiodothyronine production by propylthiouracil in man. Saberi M, et al. *J Clin Invest* 55(2):218-23, Feb 75

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THYROID

III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs

DEXTROTHYROXINE

THERAPEUTIC USE

- [Study of the regional circulation of arteriosclerosis patients during treatment with dextro-thyroxine] Furitano G, et al. *Boll Soc Ital Biol Sper* 50(16-2):1273-6, 30 Aug 74 (Ita)

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IODOTYROSINE

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- [Change in the structure of thyroglobulin in the process of its in vitro iodination] Turakulov IaKh, et al. *Biokhimiia* 39(6):1179-83, Nov-Dec 74 (Eng. Abstr.) (Rus)

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[Antithyroglobulin antibodies in lupus erythematosus disseminatus] Ribera Casado JM. *Rev Clin Esp* 136(5):417-9, 15 Mar 75 (Eng. Abstr.) (Spa)

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Effects of thyroid hormone administration on skeletal muscle mitochondria. Winder WW, et al. *Am J Physiol* 228(5):1341-5, May 75

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THYROID

IV. Thyroid Antagonists and Inhibitors

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- Letter: Interaction between thyroxine and 35-S-labelled antithyroid drugs. Lees JF, et al. *Lancet* 1(7904):457, 22 Feb 75

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PHARMACODYNAMICS

Effect of butyldiiodohydroxybenzoate on pituitary-thyroid interplay. Iwasa Y, et al. **Proc Soc Exp Biol Med** 148(4):1167-72, Apr 75

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THYROID

V. Related Topics

EXOPHTHALMOS

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- Studies of malformation syndromes in man XXXVI: the Pfeiffer syndrome, association with Kleeblattschädel and multiple visceral anomalies. Case report and review. Hodach RJ, et al. *Z Kinderheilkd* 119(2):87-103, 1975
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- Letter: Exophthalmos associated with systemic lupus erythematosus. Wildinson LS, et al.
- Arthritis Rheum 18(2):188-9, Mar-Apr 75
- Granulocytic sarcoma of the orbit. Report of a case. Brownstein S, et al. *Can J Ophthalmol* 10(2):174-83, Apr 75
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DRUG THERAPY

- Letter: Exophthalmos associated with systemic lupus erythematosus. Wildinson LS, et al.
- Arthritis Rheum 18(2):188-9, Mar-Apr 75
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- [Family with Crouzon's craniofacial dysostosis] Vaillaud JC, et al. *J Genet Hum* 22(4):381-7, Dec 74 (Eng. Abstr.) (Fre)

PATHOLOGY

- [Pathology of the orbit] Kapuściński WJ. *Klin Oczna* 45(6):553-62, Jun 75 (Pol)

PHYSIOPATHOLOGY

- [Family with Crouzon's craniofacial dysostosis] Vaillaud JC, et al. *J Genet Hum* 22(4):381-7, Dec 74 (Eng. Abstr.) (Fre)
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- Exophthalmos. The more commonly encountered neurosurgical lesions. Smigiel MR, et al. *Mayo Clin Proc* 50(6):345-55, Jun 75
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EXOPHTHALMOS PRODUCING SUBSTANCE

- [Unusual course of a malignant exophthalmos] Schindler H. *Munch Med Wochenschr* 117(16):669-70, 18 Apr 75 (Eng. Abstr.) (Ger)

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- Age dependent changes in iodine metabolism and thyroid function. Hansen JM, et al. *Acta Endocrinol (Kbh)* 79(1):60-5, May 75
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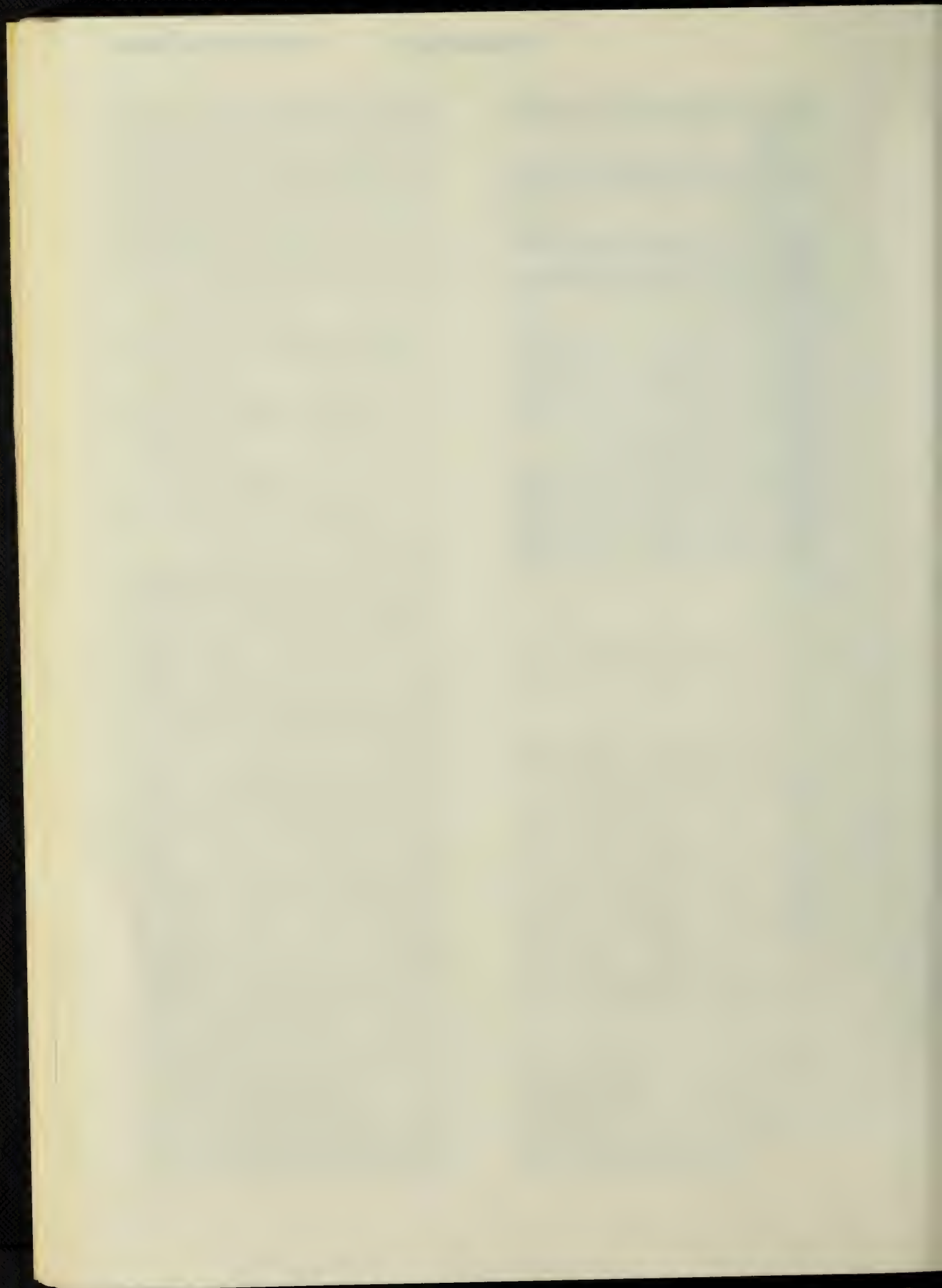
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II. Disorders of the Adrenal Glands

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BLOOD

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ADENOMA, VIRILIZING

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ADRENAL CORTEX DISEASES

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ETIOLOGY

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PATHOLOGY

Unexpected death of endocrine origin. Pimstone BL. *Forensic Sci* 5(1):33-7, Feb 75

ADRENAL CORTEX NEOPLASMS

BLOOD

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Adrenocortical neoplasms. Prognosis and morphology. Tang CK, et al. *Urology* 5(5):691-5, May 75

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Aberrant adrenal tissue: an incidental finding during orchiopexy. Feldman AE, et al. *J Urol* 113(5):706-8, May 75

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Calcified adrenal cysts. Costandi YT, et al. *Urology* 5(6):777-9, Jun 75

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BLOOD

[Plasma adrenal corticotropin activity in patients with hypercorticism] Tsanev A, et al. *Rev Roum Med* 12(3):197-200, 1974 (Fre)

COMPLICATIONS

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CONGENITAL

A female pseudohermaphrodite with salt losing congenital adrenal hyperplasia as the result of 21--beta--OH deficiency. Preeyasombat C, et al. *J Med Assoc Thai* 58(3):61-9, Mar 75
Gynecomastia with congenital virilizing adrenal hyperplasia (11-beta-hydroxylase deficiency). Maclaren NK, et al. *J Pediatr* 86(4):579-81, Apr 75
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Gynecomastia with congenital virilizing adrenal hyperplasia (11-beta-hydroxylase deficiency). Maclaren NK, et al. *J Pediatr* 86(4):579-81, Apr 75

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PHYSIOPATHOLOGY

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PREVENTION & CONTROL

[Hypercorticism] Jesserer H. *Clin Ter* 72(6):509-22, 31 Mar 75 (Ita)

ADRENAL GLAND HYPOFUNCTION

BLOOD

[Clinical and immunological studies in idiopathic adrenal insufficiency] Schernthaner G, et al. *Wien Klin Wochenschr* 87(9):297-300, 2 May 75 (Eng. Abstr.) (Ger)

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DIAGNOSIS

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DRUG THERAPY

A case of acute adrenocortical failure on the second day following mitral commissurotomy. Holdrowicz M, et al. *Anaesth Resusc Intensive Ther* 2(4):373-7, Oct-Dec 74

ETIOLOGY

A case of acute adrenocortical failure on the second day following mitral commissurotomy. Holdrowicz M, et al. *Anaesth Resusc Intensive Ther* 2(4):373-7, Oct-Dec 74
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[Clinical and immunological studies in idiopathic adrenal insufficiency] Schernthaner G, et al. *Wien Klin Wochenschr* 87(9):297-300, 2 May 75 (Eng. Abstr.) (Ger)

ADRENAL GLAND

METABOLISM

RNA content in the heart muscle cells following adrenalectomy and additional overload in the rat. Suzuki T. *Tohoku J Exp Med* 115(3):239-45, Mar 75

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Cushing's syndrome: its complexities and care. MacGann M. *RN* 38(8):40-3, Aug 75

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The radiological diagnosis of adrenal tumours. Sutton D. *Br J Radiol* 48(568):237-58, Apr 75 (53 ref.)

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FLUMETHASONE

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TRIAMCINOLONE

ADMINISTRATION & DOSAGE

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ADRENAL

IV. Related Topics

AMINOGLUTETHIMIDE

ADMINISTRATION & DOSAGE

[Synthetic cortisol antagonists in the treatment of adrenal gland hypercortisolism. Results of 8 years of use]] Bricaire H, et al. *Therapie* 29(5):645-58, Sept-Oct 74 (Fre)

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CORPUS LUTEUM, INJURIES

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ETHYNODIOL DIACETATE

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GONANES

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PARATHYROID AND BONE

II. Disorders of the Parathyroid Glands

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NEUROENDOCRINOLOGY

II. Disorders of the Amygdaloid Body

PINEALOMA

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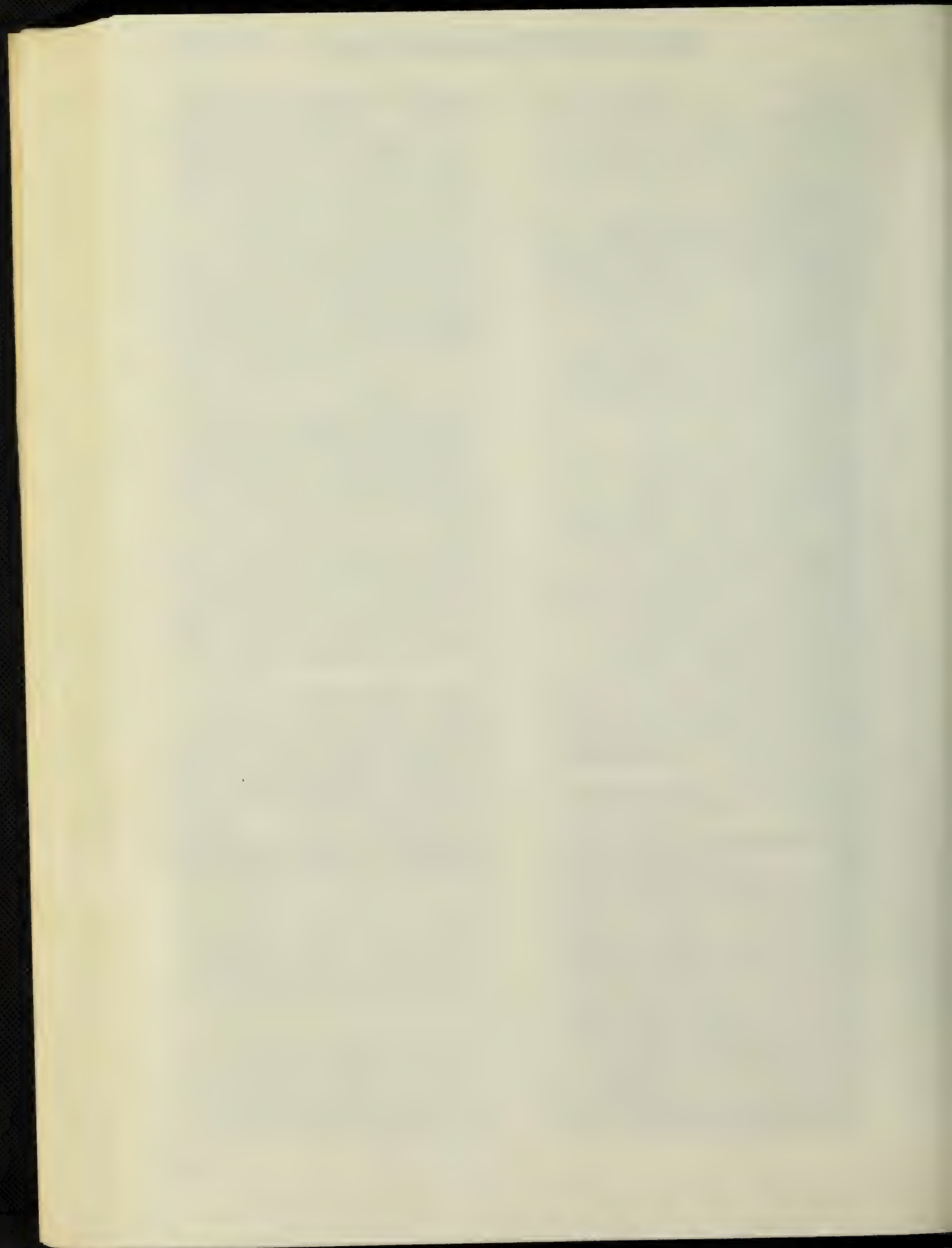
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Clinical testing of the hypothalamic-pituitary-adrenocortical system in states of hypo- and hypercortisolism. Gwinup G, et al. *Metabolism* 24(6):777-91, Jun 75 (87 ref.)

ALDOSTERONE

SECRETION

Renin, aldosterone and glucagon in the natriuresis of fasting. Spark RF, et al. *N Engl J Med* 292(25):1335-40, 19 Jun 75 (25 ref.)

ANDROGENS

ANTAGONISTS & INHIBITORS

The effects of antiandrogens and antiestrogens in nonmammalian vertebrates. Rastogi RK, et al. *Gen Comp Endocrinol* 26(1):79-91, May 75 (30 ref.)

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Cellular receptors and mechanisms of action of steroid hormones. Liao S. *Int Rev Cytol* 41:87-172, 1975 (590 ref.)

BONE AND BONES

Bone pathology in experimental malnutrition. Stewart RJ. *World Rev Nutr Diet* 21:1-74, 1975 (469 ref.)

ANALYSIS

Observations on embryonic chick-bone crystals by high resolution transmission electron microscopy. Boothroyd B. *Clin Orthop* (106):290-310, Jan-Feb 75 (13 ref.)

CYTOLOGY

[Histomorphometry of bone (report) (author's transl)] Olah AJ. *Verh Dtsch Ges Pathol* 58:104-13, 1974 (14 ref.) (Eng. Abstr.) (Ger)
[Cellular kinetics of bone and aging (report) (author's transl)] Tonna EA. *Verh Dtsch Ges Pathol* 58:99-104, 1974 (8 ref.) (Eng. Abstr.) (Ger)

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ULTRASTRUCTURE

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[The ultrastructure of bone (report) (author's transl)] Schenk RK. *Verh Dtsch Ges Pathol* 58:72-83, 1974 (44 ref.) (Eng. Abstr.) (Ger)

CALCIUM

BLOOD

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Cyclic nucleotides and cellular calcium metabolism. Rasmussen H, et al. *Adv Cyclic Nucleotide Res*

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5:375-94, 1975 (73 ref.)

Recent advances in calcium and phosphorus metabolism. Schwartz MK. *Ann Clin Lab Sci* 5(3):176-84, May-Jun 75 (55 ref.)

Calcium and phosphorus metabolism in chronic uremia. Fiaschi E, et al. *Nephron* 14(2):163-80, 1975 (69 ref.)

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[Kidney and calcium] Caralps A, et al. *Rev Clin Esp* 135(6):509-17, 31 Dec 74 (63 ref.) (Spa)

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IMMUNOLOGY

[Choriocarcinoma] Gille J. *Med Klin* 70(13):532-43, 28 Mar 75 (62 ref.) (Ger)

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The pill revisited. Connell EB. *Fam Plann Perspect* 7(2):62-71, Mar-Apr 75 (86 ref.)

Oral contraceptives: a review of the literature. Swenson I. *J Nurse Midwife* 20(1):7-14, Spring 75 (37 ref.)

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The pill revisited. Connell EB. *Fam Plann Perspect* 7(2):62-71, Mar-Apr 75 (86 ref.)

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ULTRASTRUCTURE

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DIABETES INSIPIDUS

DRUG THERAPY

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ENDOCRINE DISEASES

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HISTORY

The development of the Hooker-Forbes bioassay. Forbes TR. *Am J Obstet Gynecol* 122(1):124-6, 1 May 75 (20 ref.)

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Hormonal control of tRNA methyltransferases and of tRNA structure. Sharma OK, et al. *Adv Enzyme Regul* 12:85-102, 1974 (62 ref.)

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Estrogen induction of ovalbumin mRNA: evidence for transcription control. Means AR, et al. *Mol Cell Biochem* 7(1):33-42, 30 Apr 75 (20 ref.)

GLUCOCORTICOIDS

THERAPEUTIC USE

The respiratory distress syndrome and glucocorticoid treatment: the case for enzyme induction. Nathan DM. *Mt Sinai J Med NY* 42(2):150-66, Mar-Apr 75 (79 ref.)

GOITER

DIAGNOSIS

Thyroid nodules and thyroid cancer. Greenspan FS. *West J Med* 121(5):359-65, Nov 74 (56 ref.)

GONADOTROPINS

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[Effect of gonadotropins and sex hormones on the immunological reactivity (literature survey)] Speranski VV. *Akush Ginekol (Mosk)* (3):8-13, Mar 75 (44 ref.) (Eng. Abstr.) (Rus)

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GUANOSINE CYCLIC 3',5' MONOPHOSPHATE

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Role of cyclic AMP in the action of hypothalamic regulatory hormones. Labrie F, et al. *Adv Cyclic Nucleotide Res* 5:787-801, 1975 (50 ref.)

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The use of hormones in the treatment of obesity. Rivlin RS. *Curr Concepts Nutr* 3:151-62, 1975 (47 ref.)

HYPERALDOSTERONISM

COMPLICATIONS

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HYPOPITUITARISM

[Anterior antehypophyseal insufficiency in the elderly] Moreau L, et al. *Sem Hop Paris* 51(2):109-16, 8 Jan 75 (46 ref.) (Eng. Abstr.) (Fre)

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

ANALYSIS

Immunohistochemical demonstration of neurophysin in the hypothalamoneurohypophyseal system. Watkins WB. *Int Rev Cytol* 41:241-84, 1975 (148 ref.)

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First Geoffrey Harris Memorial lecture. Some recent developments in brain-pituitary-ovarian physiology. Sawyer CH. *Neuroendocrinology* 17(2):97-124, 1975

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MSH

The evolution of vertebrate corticotrophin and melanocyte stimulating hormone. Lowry PJ, et al. *Gen Comp Endocrinol* 26(1):16-23, May 75 (25 ref.)

SECRETION

Cellular mechanisms controlling melanophore stimulating hormone (MSH) release. Hadley ME, et al. *Gen Comp Endocrinol* 26(1):24-35, May 75 (50 ref.)

NEUROPHYSINS

ANALYSIS

Immunohistochemical demonstration of neurophysin in the hypothalamoneurohypophyseal system. Watkins WB. *Int Rev Cytol* 41:241-84, 1975 (148 ref.)

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[Ovarian progestins in women (literature survey)] Zagorskala EA. *Akush Ginekol (Mosk)* (3):32-8, Mar 75 (21 ref.) (Rus)

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Parathyroid hormone and calcium metabolism-1. Kenny-2 AD, et al. *World Rev Nutr Diet* 20:231-98, 1975 (334 ref.)

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PITUITARY DISEASES

PHYSIOPATHOLOGY

Clinical testing of the

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hypothalamic-pituitary-adrenocortical system in states of hypo- and hypercortisolism. Gwinup G, et al. *Metabolism* 24(6):777-91, Jun 75 (87 ref.)

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A cell culture approach to the study of anterior pituitary cells. Tixier-Vidal A, et al. *Int Rev Cytol* 41:173-239, 1975 (118 ref.)

[Anterior antehypophyseal insufficiency in the elderly] Moreau L, et al. *Sem Hop Paris* 51(2):109-16, 8 Jan 75 (46 ref.) (Eng. Abstr.) (Fre)

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Cellular mechanisms controlling melanophore stimulating hormone (MSH) release. Hadley ME, et al. *Gen Comp Endocrinol* 26(1):24-35, May 75 (50 ref.)
Putative neurotransmitters involved in discharging gonadotropin-releasing neurohormones and the action of LH-releasing hormone on the CNS. McCann SM, et al. *Life Sci* 16(6):833-52, 15 Mar 75 (99 ref.)

PITUITARY GLAND, POSTERIOR

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Putative neurotransmitters involved in discharging gonadotropin-releasing neurohormones and the action of LH-releasing hormone on the CNS. McCann SM, et al. *Life Sci* 16(6):833-52, 15 Mar 75 (99 ref.)

PITUITARY HORMONE RELEASING HORMONES

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Putative neurotransmitters involved in discharging gonadotropin-releasing neurohormones and the action of LH-releasing hormone on the CNS. McCann SM, et al. *Life Sci* 16(6):833-52, 15 Mar 75 (99 ref.)

PLACENTA

METABOLISM

The placenta and placental transfer of drugs at term. Abouleish E. *Pa Med* 78(5):56-62, 68-74, May 75 (176 ref.)

PLACENTAL HORMONES

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Fetoplacental hormones and human gestation. Diczfalussy E. *Basic Life Sci* 4(PT. B):385-402, 1974 (117 ref.)

PREGNANES

Steroid anesthetics. Gyermek L, et al. *Anesthesiology* 42(3):331-44, Mar 75 (92 ref.)

PROGESTERONE

ANALYSIS

The development of the Hooker-Forbes bioassay. Forbes TR. *Am J Obstet Gynecol* 122(1):124-6, 1 May 75 (20 ref.)

SECRETION

[Ovarian progestins in women (literature survey)] Zagorska EA. *Akush Ginekol (Mosk)* (3):32-8, Mar 75 (21 ref.) (Rus)

PROLACTIN

ADVERSE EFFECTS

[Prolactin and breast cancers] Cappelaere P. *Pathol Biol (Paris)* 23(2):161-70, Feb 75 (79 ref.) (Eng. Abstr.) (Fre)

PHYSIOLOGY

[Prolactin. New findings and clinical significance] Horský J. *Cesk Gynecol* 40(2):148-53, Mar 75 (69 ref.) (Cze)

RENIN

PHYSIOLOGY

Renin, aldosterone and glucagon in the natriuresis of fasting. Spark RF, et al. *N Engl J Med* 292(25):1335-40, 19 Jun 75 (25 ref.)

RICKETS, VITAMIN D RESISTANT

METABOLISM

[Vitamin d: recent acquisitions] Balsan S. *Arch Fr Pediatr* 31(9):837-41, Nov 74 (32 ref.) (Fre)

SEX CHROMOSOMES

Sex-chromosome pairing and male fertility. Miklos GL. *Cytogenet Cell Genet* 13(6):558-77, 1974 (48 ref.)

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X inactivation, differentiation, and DNA methylation. Riggs AD. *Cytogenet Cell Genet* 14(1):9-25, 1975 (71 ref.)

SEX HORMONES

PHARMACODYNAMICS

[Effect of gonadotropins and sex hormones on the immunological reactivity (literature survey)] Speranski VV. *Akush Ginekol (Mosk)* (3):8-13, Mar 75 (44 ref.) (Eng. Abstr.) (Rus)

SEX REVERSAL, GONADAL

Prolonged sexual bipotentiality of the embryonic quail testis and relation with sex steroid biosynthesis. Haffen K, et al. *Gen Comp Endocrinol* 26(1):70-8, May 75 (29 ref.)

REVIEW SECTION

SOMATOTROPIN

The chemistry of human pituitary growth hormone.
Bewley TA, et al. *Adv Enzymol* 42:73-166, 1975 (169 ref.)

STEROIDS

[Current aspects of the chemistry of natural substances] Adam G. *Pharmazie* 29(12):737-44, Dec 74 (72 ref.) (Ger)

TESTIS

EMBRYOLOGY

Prolonged sexual bipotentiality of the embryonic quail testis and relation with sex steroid biosynthesis.
Haffen K, et al. *Gen Comp Endocrinol* 26(1):70-8, May 75 (29 ref.)

THYROID DISEASES

DIAGNOSIS

Thyroid nodules and thyroid cancer. Greenspan FS.
West J Med 121(5):359-65, Nov 74 (56 ref.)

THYROID GLAND

METABOLISM

[Thyroid hormones--a review] Nilsson S, et al.
Lakartidningen 72(16):1669-72, 16 Apr 75 (40 ref.) (Eng. Abstr.) (Swe)

PHYSIOLOGY

Thyroid-stimulating hormone and cyclic adenosine 3',5'-monophosphate in the regulation of thyroid gland function. Field JB. *Metabolism* 24(3):381-93, Mar 75 (63 ref.)

THYROID HORMONES

METABOLISM

[Thyroid hormones--a review] Nilsson S, et al.
Lakartidningen 72(16):1669-72, 16 Apr 75 (40 ref.) (Eng. Abstr.) (Swe)

PHYSIOLOGY

Thyroidal regulation of renal energy metabolism and (Na⁺ + K⁺)-activated adenosine triphosphatase activity. Edelman IS. *Med Clin North Am* 59(3):605-14, May 75 (22 ref.)

THYROID NEOPLASMS

DIAGNOSIS

Thyroid nodules and thyroid cancer. Greenspan FS.
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THYROTROPIN

PHYSIOLOGY

Thyroid-stimulating hormone and cyclic adenosine 3',5'-monophosphate in the regulation of thyroid gland function. Field JB. *Metabolism* 24(3):381-93, Mar 75 (63 ref.)

TURNER'S SYNDROME

Mixed gonadal dysgenesis. Zähl W, et al.
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VASOPRESSIN

PHYSIOLOGY

The relationship of antidiuretic hormone to the control of volume and tonicity in the human. Scheiner E.
Adv Clin Chem 17:1-52, 1975 (182 ref.)

VITAMIN D

Vitamin D today. DeLuca HF. *DM* 1:1-37, Mar 75 (32 ref.)

METABOLISM

[Vitamin d: recent acquisitions] Balsan S.
Arch Fr Pediatr 31(9):837-41, Nov 74 (32 ref.) (Fre)

METHOD SECTION

This section is meant to be an alerting device for articles which describe: 1) new methods or techniques, 2) modifications of existing methods or 3) comparisons of different methods. For methods on a particular substance or for a specific type of method, see the subject index or the subject section (particularly the subheadings: analysis, blood, cerebrospinal fluid, chemical synthesis, isolation and purification, and urine).

AUTOANALYSIS

- Continuous flow automated radioimmunoassay using antibodies attached to red blood cells. Luner SJ. *Anal Biochem* 65(1-2):355-61, 12 May 75
- ABO FACTORS/ AUTOANALYSIS/ BINDING SITES, ANTIBODY/ CATTLE/ *ERYTHROCYTES, immunology/ GUINEA PIGS, immunology/ HUMAN/ *INSULIN ANTIBODIES/ *INSULIN, analysis/ METHODS/ RADIOIMMUNOASSAY/ UNITED STATES GOVERNMENT SUPPORTED, N.I.H.
- Special clamp for rapid solvent extraction of a large number of plasma samples for radioimmunoassay. Sundaram K, et al. *Anal Chem* 47(4):779-80, Apr 75
- AUTOANALYSIS/ CHEMISTRY, ANALYTICAL, instrumentation/ METHODS/ *RADIOIMMUNOASSAY/ SOLVENTS/ *STERIODS, blood/ UNITED STATES GOVERNMENT SUPPORTED, N.I.H.
- A simple competitive protein binding assay for plasma cortisol. Baum CK, et al. *Clin Chim Acta* 55(2):147-54, 16 Sep 74
- ANIMAL EXPERIMENTS/ AUTOANALYSIS/ BINDING SITES/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ DEXTRAN/ FLUOROMETRY/ HEAT/ HUMAN/ *HYDROCORTISONE, blood/ PROTEIN BINDING/ PROTEIN DENATURATION/ RABBITS/ RADIOISOTOPES/ *RADIOLIGAND ASSAY, methods/ RADIOLIGAND ASSAY, standards/ SCINTILLATION COUNTERS/ SELENIUM/ TIME FACTORS/ TRANCORTIN
- Semi-automated radioimmunoassays for total serum thyroxine and triiodothyronine. Challand GS, et al. *Clin Chim Acta* 60(1):25-32, 2 Apr 75
- ANALYSIS OF VARIANCE/ AUTOANALYSIS/ COMPARATIVE STUDY/ COSTS AND COST ANALYSIS/ EVALUATION STUDIES/ HUMAN/ METHODS/ RADIOIMMUNOASSAY/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood
- Estrogen analysis in pregnancy urine: an artifact corrected. Ryan M, et al. *Clin Chim Acta* 60(2):197-84, 16 Apr 75
- AUTOANALYSIS/ BOROHYDRIDES/ CARBOHYDRATES, urine/ CARBOXYLIC ACIDS, urine/ CHROMATOGRAPHY, GAS/ *ESTRIOL, urine/ EVALUATION STUDIES/ FEMALE/ FORMALDEHYDE/ GLUCOSE OXIDASE/ GLYCOSURIA/ HUMAN/ MATHEMATICS/ METHODS/ *PREGNANCY/ TRITIUM

AUTORADIOGRAPHY

METHODS

- Autoradiographic techniques for localizing protein hormones in target tissue. Rajanleml HJ, et al. *Methods Enzymol* 37 Pt B:145-67, 1975
- ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY, methods/ FEMALE/ FETUS/ *HORMONES, analysis/ IODINE RADIOISOTOPES/ ISOTOPE

LABELING/ KIDNEY CORTEX, analysis/ LIVER, analysis/ LUNG, analysis/ MICE/ ORGAN SPECIFICITY/ *PEPTIDES, analysis/ PLACENTA, analysis/ PREGNANCY/ RATS/ TRITIUM

BIOLOGICAL ASSAY

- Kinetics of renin-antirenin reaction: micromethods for the assay of renin and antirenin. Haas E, et al. *Am J Physiol* 228(4):973-9, Apr 75
- ANGIOTENSIN, biosynthesis/ ANIMAL EXPERIMENTS/ *ANTIGEN-ANTIBODY REACTIONS/ BIOLOGICAL ASSAY/ DOGS, immunology/ HUMAN/ IMMUNE SERUMS/ KINETICS/ MATHEMATICS/ METHODS/ MICE/ *RENIN, analysis/ RENIN, immunology/ TIME FACTORS/ UNITED STATES GOVERNMENT SUPPORTED, N.I.H.
- Analogs of luteinizing hormone releasing factor (LRF). Synthesis and biological activity of ((Nalpha-Me)Leu-7)LRF and (D-Ala-6,(Nalpha-Me)Leu-7)LRF. Ling N, et al. *Biochem Biophys Res Commun* 63(3):801-6, 7 Apr 75
- ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ IMINO ACIDS, analysis/ LH, secretion/ *LH-FSH RELEASING HORMONE, chemical synthesis/ LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, pharmacodynamics/ METHODS/ OPTICAL ROTATION/ PITUITARY GLAND, secretion/ PITUITARY GLAND, drug effects/ RATS/ SPECTRUM ANALYSIS, MASS/ UNITED STATES GOVERNMENT SUPPORTED, N.I.H./ UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.
- Isolation of five active thyrotropin components from human pituitary gland. Roos P, et al. *Biochim Biophys Acta* 379(1):247-61, 30 Jan 75
- AMINO ACIDS, analysis/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ LH, analysis/ METHODS/ MOLECULAR WEIGHT/ NEURAMINIDASE/ *PITUITARY GLAND/ *THYROTROPIN, isolation & purification/ THYROTROPIN, immunology
- Isolation of isohormones of human prolactin from amniotic fluid. David MB, et al. *Endocr Res Commun* 1(2):193-210, 1974
- *AMNIOTIC FLUID, analysis/ BIOLOGICAL ASSAY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FREEZE DRYING/ GEL FILTRATION/ HUMAN/ ISOELECTRIC FOCUSING/ METHODS/ PIGEONS/ *PROLACTIN, isolation & purification/ RADIOIMMUNOASSAY
- Separation of chicken adenohipophysial gonadotropins. Furuya T, et al. *Endocrinol Jpn* 21(4):329-34, Aug 74
- ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CHICKENS, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ FSH, isolation & purification/ GEL FILTRATION/ GLYCOPROTEINS, isolation & purification/ *GONADOTROPINS, PITUITARY, isolation &

purification/ LH, isolation & purification/ MALE/
METHODS/ PHOSPHORUS RADIOISOTOPES/
PITUITARY GLAND, ANTERIOR, analysis/ SHEEP

A quantitative assay for luteinizing hormone releasing hormone (LHRH) using dispersed pituitary cells.
Bicknell RJ, et al. *Gen Comp Endocrinol* 26(2):141-52, Jun 75

ACETYLCHOLINE, pharmacodynamics/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ANIMAL EXPERIMENTS/
BIOLOGICAL ASSAY/ CHICKENS/ DOPAMINE,
pharmacodynamics/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ EPINEPHRINE,
pharmacodynamics/ GABA, pharmacodynamics/
HISTAMINE, pharmacodynamics/
HYPOTHALAMUS, analysis/ IN VITRO/
KINETICS/ LH, secretion/ *LH-FSH RELEASING
HORMONE, analysis/ LH-FSH RELEASING
HORMONE, pharmacodynamics/ METHODS/
MICROSCOPY, PHASE CONTRAST/ *PITUITARY
GLAND, cytology/ QUAIL/
RADIOIMMUNOASSAY/ RATS/ SEROTONIN,
pharmacodynamics/ THYROTROPIN RELEASING
HORMONE, pharmacodynamics/ TISSUE
EXTRACTS/ VASOPRESSIN, pharmacodynamics

A modified hemagglutination inhibition test for estimating human follicle-stimulating hormone (hFSH) in unprocessed urine. Schuurs AH, et al.
J Clin Endocrinol Metab 40(4):619-28, Apr 75

BIOLOGICAL ASSAY/ FEMALE/ *FSH, urine/
*HEMAGGLUTINATION INHIBITION TESTS/
HEMAGGLUTINATION INHIBITION TESTS,
methods/ HUMAN/ RADIOIMMUNOASSAY

Bioassay of pigmentary hormones. Abe K, et al.
Methods Enzymol 37 Pt B:121-30, 1975

ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/
CHROMATOGRAPHY, ION EXCHANGE/
*CORTICOTROPIN, blood/ CORTICOTROPIN,
pharmacodynamics/ MATHEMATICS/ METHODS/
*MSH, blood/ MSH, pharmacodynamics/
*PIGMENTATION, drug effects/ RANA PIPIENS/
*SKIN PIGMENTATION, drug effects/ SKIN, drug
effects

Methods for estimating the biologic activity of the luteinizing hormone- and follicle stimulating hormone-releasing hormone. Arimura A, et al.
Methods Enzymol 37 Pt B:233-8, 1975

ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/
FEMALE/ FSH, biosynthesis/ HAMSTERS/ LH,
biosynthesis/ *LH-FSH RELEASING HORMONE,
secretion/ LH-FSH RELEASING HORMONE,
analysis/ LH-FSH RELEASING HORMONE,
pharmacodynamics/ METHODS/ OVARY,
physiology/ OVARY, drug effects/ OVULATION,
drug effects/ PITUITARY GLAND, ANTERIOR,
secretion/ RATS/ TIME FACTORS

Measurement of somatomedin by cartilage in vitro.
Daughaday WH, et al. *Methods Enzymol* 37 Pt
B:93-109, 1975

ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/
*CARTILAGE, drug effects/ CARTILAGE,
metabolism/ CHICK EMBRYO/ CHONDROITIN,
biosynthesis/ COLLAGEN, biosynthesis/ DNA,
biosynthesis/ HUMAN/ METHODS/
MUCOPROTEINS, biosynthesis/ RATS/ RNA,
biosynthesis/ *SOMATOMEDIN, blood/
SOMATOMEDIN, pharmacodynamics/ SPECIES
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ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/
ELECTROPHORESIS, POLYACRYLAMIDE GEL/
*FSH, isolation & purification/ *LH, isolation &
purification/ METHODS/ *PITUITARY GLAND,
analysis/ SHEEP/ UNITED STATES
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ANIMALS, NEWBORN/ BIOLOGICAL ASSAY,
methods/ ENGLISH ABSTRACT/ *LH, analysis/
LH, blood/ MALE/ *PITUITARY GLAND, analysis/
RATS

CENTRIFUGATION, DENSITY GRADIENT

Transport of catecholamines by resealed chromaffin-granule "ghosts". Phillips JH.
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ADENOSINE TRIPHOSPHATE, metabolism/
ADRENAL MEDULLA, metabolism/ BIOLOGICAL
TRANSPORT, ACTIVE, drug effects/
*CATECHOLAMINES, metabolism/
CATECHOLAMINES, analysis/ CATTLE/
CENTRIFUGATION, DENSITY GRADIENT/
*CHROMAFFIN SYSTEM, metabolism/
CHROMAFFIN SYSTEM, ultrastructure/
*CYTOPLASMIC GRANULES, metabolism/
CYTOPLASMIC GRANULES, ultrastructure/
MAGNESIUM, metabolism/ METHODS/
MICROSCOPY, ELECTRON/ RESERPINE,
pharmacodynamics

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Thick-layer chromatography for the isolation of 19-hydroxy-prostaglandins from total lipids. Singh EJ, et al. *J Chromatogr* 104(1):189-92, 29 Jan 75

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methods/ GELS/ HEAT/ HUMAN/
HYDROXYLATION/ *LIPIDS, analysis/ MALE/
*PROSTAGLANDINS, isolation & purification/
*SEMEN, analysis/ SILICA/ SOLVENTS/
ULTRAVIOLET RAYS

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INSTRUMENTATION

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instrumentation/ METHODS/
*RADIOIMMUNOASSAY/ SOLVENTS/
*STERIODS, blood/ UNITED STATES
GOVERNMENT SUPPORTED, N.I.H.

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Decreased excretion of ring-A reduced steroid metabolites by hypertensive females. Dey AC, et al.
Biochem Med 12(3):213-25, Mar 75

ADULT/ AGED/ CARBON RADIOISOTOPES/
CHROMATOGRAPHY/ CHROMATOGRAPHY,
GAS/ CHROMATOGRAPHY, ION EXCHANGE/
CHROMATOGRAPHY, THIN LAYER/ FEMALE/
GLUCURONIDASE/ HUMAN/ *HYPERTENSION,
urine/ METHODS/ MIDDLE AGE/
OXIDATION-REDUCTION/ SILICA/
SULFATASES/ TRITIUM/ *17-KETOSTEROIDS,
urine

Metabolism of 3-H-L-dopa by the rat gut in vivo-evidence for glucuronide conjugation.
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CHROMATOGRAPHY/ CHROMATOGRAPHY,
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DOPAMINE, metabolism/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ *DUODENUM,
metabolism/ DUODENUM, surgery/ FEMALE/
*GLUCURONATES, metabolism/ GLYCOSIDE
HYDROLASES, pharmacodynamics/ INTESTINAL
MUCOSA, metabolism/ INTESTINES, metabolism/
KIDNEY, metabolism/ *LEVODOPA, metabolism/

LEVODOPA, blood/ LIVER, metabolism/
METHODS/ MUSCLE, SMOOTH, metabolism/
MYOCARDIUM, metabolism/ PYLORUS, surgery/
RATS/ STOMACH, metabolism/ TRITIUM/
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human pituitary gland. Roos P, et al.

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CHROMATOGRAPHY/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ GEL FILTRATION/
HUMAN/ LH, analysis/ METHODS/ MOLECULAR
WEIGHT/ NEURAMINIDASE/ *PITUITARY
GLAND/ *THYROTROPIN, isolation &
purification/ THYROTROPIN, immunology

A rapid 5 hour radioimmunoassay of progesterone and
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BUFFERS/ CHARCOAL/ CHROMATOGRAPHY/
COMPARATIVE STUDY/ *ESTRADIOL, blood/
ETHYL ETHERS/ FEMALE/ HUMAN/ IMMUNE
SERUMS/ PHOSPHATES/ *PROGESTERONE,
blood/ RABBITS, immunology/
*RADIOIMMUNOASSAY, methods/ TIME
FACTORS/ TRITIUM

Separation of some 16-androstenes on
hydroxyalkoxypropyl-Sephadex (lipidex-TM). Bicknell
DC, et al. J Chromatogr 110(1):210-2, 2 Jul 75
ANDROSTADIENES, analysis/ *ANDROSTENES,
analysis/ CHROMATOGRAPHY/ *DEXTRAN,
analogs & derivatives/ *GEL FILTRATION/
METHODS/ SOLVENTS

INSTRUMENTATION

Application of a marker dye on sephadex LH-20 column
chromatography in radioimmuno-assay of plasma
aldosterone. Ichikawa S, et al. Endocrinol Jpn
21(4):361-5, Aug 74

ADRENALECTOMY/ *ALDOSTERONE, blood/
ALDOSTERONE, isolation & purification/
*ANTHRAQUINONES, diagnostic use/
*CHROMATOGRAPHY, methods/
CHROMATOGRAPHY, instrumentation/ DYES,
diagnostic use/ FEMALE/ HUMAN/ MALE/
*RADIOIMMUNOASSAY, methods

METHODS

Application of a marker dye on sephadex LH-20 column
chromatography in radioimmuno-assay of plasma
aldosterone. Ichikawa S, et al. Endocrinol Jpn
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ALDOSTERONE, isolation & purification/
*ANTHRAQUINONES, diagnostic use/
*CHROMATOGRAPHY, methods/
CHROMATOGRAPHY, instrumentation/ DYES,
diagnostic use/ FEMALE/ HUMAN/ MALE/
*RADIOIMMUNOASSAY, methods

Thick-layer chromatography for the isolation of
19-hydroxy-prostaglandins from total lipids. Singh EJ,
et al. J Chromatogr 104(1):189-92, 29 Jan 75

ADULT/ CHEMISTRY/ *CHROMATOGRAPHY,
methods/ GELS/ HEAT/ HUMAN/
HYDROXYLATION/ *LIPIDS, analysis/ MALE/
*PROSTAGLANDINS, isolation & purification/
*SEMEN, analysis/ SILICA/ SOLVENTS/
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*HYDROCORTISONE, TOPICAL, analysis/
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TECHNOLOGY, PHARMACEUTICAL

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estrogens in raw materials and finished dosage forms.
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ANIMAL EXPERIMENTS/ CHROMATOGRAPHY,
methods/ DOSAGE FORMS/ *ESTROGENIC
SUBSTANCES, CONJUGATED, analysis/ HORSES,
urine/ HYDROLYSIS/ TRIMETHYLSILYL
COMPOUNDS, analysis

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75

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DEHYDROEPIANDROSTERONE, blood/
ESTRADIOL, blood/ ESTRADIOL, immunology/
FEMALE/ HIRSUTISM, blood/ HUMAN/
HYDROXYPROGESTERONE, blood/ MALE/
PROGESTERONE, blood/
*RADIOIMMUNOASSAY, methods/ STANOLONE,
blood/ STEROIDS, immunology/ *STEROIDS,
blood/ TESTOSTERONE, blood/ TRITIUM/
UNITED STATES GOVERNMENT SUPPORTED,
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CHROMATOGRAPHY, DEAE-CELLULOSE

Purification of human pituitary glycoprotein hormones.

Hartree AS. Methods Enzymol 37 Pt B:389-9, 1975
CHROMATOGRAPHY, DEAE-CELLULOSE/
CHROMATOGRAPHY, ION EXCHANGE/ FSH,
isolation & purification/ GEL FILTRATION/
*GLYCOPROTEINS, isolation & purification/
HUMAN/ LH, isolation & purification/
MACROMOLECULAR SYSTEMS/ METHODS/
*PITUITARY HORMONES, ANTERIOR, isolation &
purification/ THYROTROPIN, isolation &
purification

Purification of human prolactin. Hwang P, et al.

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AMNIOTIC FLUID, analysis/
CHROMATOGRAPHY, DEAE-CELLULOSE/
CHROMATOGRAPHY, ION EXCHANGE/
ELECTROPHORESIS, POLYACRYLAMIDE GEL/
FEMALE/ FREEZE DRYING/ GEL FILTRATION/
HUMAN/ METHODS/ *PITUITARY GLAND,
analysis/ PREGNANCY/ *PROLACTIN, isolation &
purification/ RADIOIMMUNOASSAY/ UNITED
STATES GOVERNMENT SUPPORTED, N.I.H.

Purification of anterior pituitary hormones (ovine,
bovine, rat, rabbit). Reichert LE Jr.

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CHROMATOGRAPHY, DEAE-CELLULOSE/
CHROMATOGRAPHY, ION EXCHANGE/ FSH,
isolation & purification/ GEL FILTRATION/ LH,
isolation & purification/ METHODS/ *PITUITARY
GLAND, analysis/ *PITUITARY GLAND,
ANTERIOR, analysis/ *PITUITARY HORMONES,
ANTERIOR, isolation & purification/ PROLACTIN,
isolation & purification/ RABBITS, immunology/
RADIOIMMUNOASSAY/ RATS/ SHEEP/
SOMATOTROPIN, isolation & purification/
SPECIES SPECIFICITY/ THYROTROPIN, isolation
& purification

CHROMATOGRAPHY, GAS

Decreased excretion of ring-A reduced steroid
metabolites by hypertensive females. Dey AC, et al.
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CHROMATOGRAPHY/ CHROMATOGRAPHY,
GAS/ CHROMATOGRAPHY, ION EXCHANGE/
CHROMATOGRAPHY, THIN LAYER/ FEMALE/
GLUCURONIDASE/ HUMAN/ *HYPERTENSION,
urine/ METHODS/ MIDDLE AGE/
OXIDATION-REDUCTION/ SILICA/
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urine

Serum testosterone determination by mass
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CHROMATOGRAPHY, GAS/ COMPARATIVE
STUDY/ DIURNAL RHYTHM/ EVALUATION
STUDIES/ FEMALE/ HUMAN/ IMIDAZOLES/
MALE/ METHODS/ PLASMA, analysis/
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MASS/ *TESTOSTERONE, blood/ TIME FACTORS

Estrogen analysis in pregnancy urine: an artifact corrected. Ryan M, et al. *Clin Chim Acta* 60(2):197-84, 16 Apr 75

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CARBOHYDRATES, urine/ CARBOXYLIC ACIDS,
urine/ CHROMATOGRAPHY, GAS/ *ESTRIOL,
urine/ EVALUATION STUDIES/ FEMALE/
FORMALDEHYDE/ GLUCOSE OXIDASE/
GLYCOSURIA/ HUMAN/ MATHEMATICS/
METHODS/ *PREGNANCY/ TRITIUM

Identification and quantitation of
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Stoa KF, et al. *J Steroid Biochem* 6(1):21-5, Jan 75
BINDING, COMPETITIVE/ CHROMATOGRAPHY,
GAS/ CHROMATOGRAPHY, THIN LAYER/
FEMALE/ GUINEA PIGS, blood/ HUMAN/
METHODS/ PREGNANCY/ *PREGNANCY, THIRD
TRIMESTER/ *PREGNANEDIONES, blood/
PROGESTERONE, blood/ PROTEIN BINDING/
SPECTRUM ANALYSIS, MASS/ TRITIUM

Gas chromatography profile of estrogens: application
to pregnancy urine. Adessi GL, et al. *Steroids*
25(4):553-64, Apr 75

CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, ION EXCHANGE/
ESTRADIOL, urine/ *ESTROGENS, urine/
ESTRONE, urine/ FEMALE/ FETAL DEATH/
HUMAN/ METHODS/ MICROCHEMISTRY/
*PREGNANCY/ SPECTRUM ANALYSIS, MASS/
TIME FACTORS/ TWINS

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Tissue catecholamines and potential
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chromatographic assay method with electron capture
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analysis/ ANIMAL EXPERIMENTS/ BRAIN
CHEMISTRY/ *CATECHOLAMINES, analysis/
CHROMATOGRAPHY, GAS, methods/
COMPARATIVE STUDY/ DOPAMINE, analysis/
EPINEPHRINE, analysis/ *ISOQUINOLINES,
analysis/ MALE/ NOREPINEPHRINE, analysis/
RATS/ SPECTROMETRY, FLUORESCENCE/
UNITED STATES GOVERNMENT SUPPORTED,
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CHROMATOGRAPHY, ION EXCHANGE

Analogs of luteinizing hormone releasing factor (LRF).
Synthesis and biological activity of
((Nalpha-Me)Leu-7)LRF and
(D-Ala-6,(Nalpha-Me)Leu-7)LRF. Ling N, et al.

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ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/
CHROMATOGRAPHY, ION EXCHANGE/
CHROMATOGRAPHY, THIN LAYER/ IMINO
ACIDS, analysis/ LH, secretion/ *LH-FSH
RELEASING HORMONE, chemical synthesis/
LH-FSH RELEASING HORMONE, analogs &
derivatives/ LH-FSH RELEASING HORMONE,
pharmacodynamics/ METHODS/ OPTICAL
ROTATION/ PITUITARY GLAND, secretion/
PITUITARY GLAND, drug effects/ RATS/
SPECTRUM ANALYSIS, MASS/ UNITED STATES
GOVERNMENT SUPPORTED, N.I.H./ UNITED
STATES GOVERNMENT SUPPORTED, NON-N.I.H.

Decreased excretion of ring-A reduced steroid
metabolites by hypertensive females. Dey AC, et al.
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CHROMATOGRAPHY/ CHROMATOGRAPHY,
GAS/ CHROMATOGRAPHY, ION EXCHANGE/
CHROMATOGRAPHY, THIN LAYER/ FEMALE/
GLUCURONIDASE/ HUMAN/ *HYPERTENSION,
urine/ METHODS/ MIDDLE AGE/
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*CHICKENS, metabolism/ CHROMATOGRAPHY,
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isolation & purification/ GEL FILTRATION/
GLYCOPROTEINS, isolation & purification/
*GONADOTROPINS, PITUITARY, isolation &
purification/ LH, isolation & purification/ MALE/
METHODS/ PHOSPHORUS RADIOISOTOPES/
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GEL FILTRATION/ HUMAN/ METHODS/
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Bioassay of pigmentary hormones. Abe K, et al.
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CHROMATOGRAPHY, ION EXCHANGE/
*CORTICOTROPIN, blood/ CORTICOTROPIN,
pharmacodynamics/ MATHEMATICS/ METHODS/
*MSH, blood/ MSH, pharmacodynamics/
*PIGMENTATION, drug effects/ RANA PIPPIENS/
*SKIN PIGMENTATION, drug effects/ SKIN, drug
effects

Purification of human pituitary glycoprotein hormones.
Hartree AS. *Methods Enzymol* 37 Pt B:380-9, 1975

CHROMATOGRAPHY, DEAE-CELLULOSE/
CHROMATOGRAPHY, ION EXCHANGE/ FSH,
isolation & purification/ GEL FILTRATION/
*GLYCOPROTEINS, isolation & purification/
HUMAN/ LH, isolation & purification/
MACROMOLECULAR SYSTEMS/ METHODS/
*PITUITARY HORMONES, ANTERIOR, isolation &
purification/ THYROTROPIN, isolation &
purification

Purification of human prolactin. Hwang P, et al.
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AMNIOTIC FLUID, analysis/
CHROMATOGRAPHY, DEAE-CELLULOSE/
CHROMATOGRAPHY, ION EXCHANGE/
ELECTROPHORESIS, POLYACRYLAMIDE GEL/
FEMALE/ FREEZE DRYING/ GEL FILTRATION/
HUMAN/ METHODS/ *PITUITARY GLAND,
analysis/ PREGNANCY/ *PROLACTIN, isolation &
purification/ RADIOIMMUNOASSAY/ UNITED
STATES GOVERNMENT SUPPORTED, N.I.H.

Purification of anterior pituitary hormones (ovine,
bovine, rat, rabbit). Reichert LE Jr.

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ANIMAL EXPERIMENTS/ CATTLE/
CHROMATOGRAPHY, DEAE-CELLULOSE/
CHROMATOGRAPHY, ION EXCHANGE/ FSH,
isolation & purification/ GEL FILTRATION/ LH,
isolation & purification/ METHODS/ *PITUITARY
GLAND, analysis/ *PITUITARY GLAND,
ANTERIOR, analysis/ *PITUITARY HORMONES,
ANTERIOR, isolation & purification/ PROLACTIN,
isolation & purification/ RABBITS, immunology/
RADIOIMMUNOASSAY/ RATS/ SHEEP/
SOMATOTROPIN, isolation & purification/
SPECIES SPECIFICITY/ THYROTROPIN, isolation
& purification

Gas chromatography profile of estrogens: application
to pregnancy urine. Adessi GL, et al. *Steroids*
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CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, ION EXCHANGE/
ESTRADIOL, urine/ *ESTROGENS, urine/
ESTRONE, urine/ FEMALE/ FETAL DEATH/
HUMAN/ METHODS/ MICROCHEMISTRY/
*PREGNANCY/ SPECTRUM ANALYSIS, MASS/
TIME FACTORS/ TWINS

CHROMATOGRAPHY, PAPER

A thin-layer chromatographic test for the identification
of some drugs: its application to steroids,

tetracyclines, penicillins and cephalosporins. Martin JL, et al. *Analyst* 100(1189):243-8, Apr 75

*ADRENAL CORTEX HORMONES, isolation & purification/ *CEPHALOSPORINS, isolation & purification/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ METHODS/ *PENICILLINS, isolation & purification/ *TETRACYCLINE, isolation & purification

Radioimmunoassay of plasma aldosterone by chromatography on Sephadex LH 20. Daniel JY, et al. *Clin Chim Acta* 55(2):235-43, 16 Sep 74

*ALDOSTERONE, blood/ ALDOSTERONE, immunology/ ANTIGEN-ANTIBODY REACTIONS/ CHROMATOGRAPHY, PAPER/ CORTICOSTERONE, blood/ CORTISONE, blood/ CROSS REACTIONS/ GEL FILTRATION/ HUMAN/ HYDROCORTISONE, blood/ RADIOIMMUNOASSAY, methods/ RADIOIMMUNOASSAY, standards/ SERUM ALBUMIN, BOVINE/ TRITIUM

Preparation of high-quality iodine-125-labelled pituitary luteinizing hormone for radioimmunoassay. Pinto H, et al. *Clin Chim Acta* 60(2):125-35, 16 Apr 75

CHROMATOGRAPHY, PAPER/ ELECTROPHORESIS, STARCH GEL/ GEL FILTRATION/ IODINE RADIOISOTOPES/ *LH, analysis/ LH, isolation & purification/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TALC

Modified radioimmunoassay for peripheral plasma aldosterone. Lijnen PJ, et al. *FEBS Lett* 54(1):84-5, 1 Jun 75

*ALDOSTERONE, blood/ CATTLE/ CHARCOAL/ CHROMATOGRAPHY, PAPER/ DEXTRAN/ PROTEIN BINDING/ *RADIOIMMUNOASSAY, methods/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ TRITIUM

Plasma aldosterone by radioimmunoassay determination in normal man and in patients on maintenance haemodialysis. Olgaard K.

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ADOLESCENCE/ ADULT/ *ALDOSTERONE, blood/ ANTIBODIES/ CHARCOAL/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ FEMALE/ *HEMODIALYSIS/ HUMAN/ HYDROXYCORTICOSTEROIDS/ MALE/ MIDDLE AGE/ NEPHRECTOMY/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, methods/ SCINTILLATION COUNTERS/ TRITIUM/ UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

CHROMATOGRAPHY, THIN LAYER

A thin-layer chromatographic test for the identification of some drugs: its application to steroids, tetracyclines, penicillins and cephalosporins. Martin JL, et al. *Analyst* 100(1189):243-8, Apr 75

*ADRENAL CORTEX HORMONES, isolation & purification/ *CEPHALOSPORINS, isolation & purification/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ METHODS/ *PENICILLINS, isolation & purification/ *TETRACYCLINE, isolation & purification

Analogues of luteinizing hormone releasing factor (LRF). Synthesis and biological activity of ((Nalphi-Me)Leu-7)LRF and

(D-Ala-6,(Nalphi-Me)Leu-7)LRF. Ling N, et al. *Biochem Biophys Res Commun* 63(3):801-6, 7 Apr 75

ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ IMINO ACIDS, analysis/ LH, secretion/ *LH-FSH RELEASING HORMONE, chemical synthesis/ LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, pharmacodynamics/ METHODS/ OPTICAL ROTATION/ PITUITARY GLAND, secretion/ PITUITARY GLAND, drug effects/ RATS/ SPECTRUM ANALYSIS, MASS/ UNITED STATES

GOVERNMENT SUPPORTED, N.I.H./ UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

Decreased excretion of ring-A reduced steroid metabolites by hypertensive females. Dey AC, et al. *Biochem Med* 12(3):213-25, Mar 75

ADULT/ AGED/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GLUCURONIDASE/ HUMAN/ *HYPERTENSION, urine/ METHODS/ MIDDLE AGE/ OXIDATION-REDUCTION/ SILICA/ SULFATASES/ TRITIUM/ *17-KETOSTEROIDS, urine

Metabolism of 3-H-L-dopa by the rat gut in vivo-evidence for glucuronide conjugation. Landsberg L, et al. *Biochem Pharmacol*

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ANIMAL EXPERIMENTS/ BILE DUCTS, surgery/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ DIAPHRAGM, metabolism/ DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DUODENUM, metabolism/ DUODENUM, surgery/ FEMALE/ *GLUCURONATES, metabolism/ GLYCOSIDE HYDROLASES, pharmacodynamics/ INTESTINAL MUCOSA, metabolism/ INTESTINES, metabolism/ KIDNEY, metabolism/ *LEVODOPA, metabolism/ LEVODOPA, blood/ LIVER, metabolism/ METHODS/ MUSCLE, SMOOTH, metabolism/ MYOCARDIUM, metabolism/ PYLORUS, surgery/ RATS/ STOMACH, metabolism/ TRITIUM/ UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Absence of known corticosteroids in blood of river lampreys (*Lampetra fluviatilis*) after treatment with mammalian corticotropin. Buus O, et al.

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*ADRENAL CORTEX HORMONES, blood/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ CORTICOSTERONE, blood/ *CORTICOTROPIN, pharmacodynamics/ CORTISONE, blood/ CORTODOXONE, blood/ *CYCLOSTOMES, physiology/ FEMALE/ HYDROCORTISONE, blood/ *LAMPREYS, physiology/ METHODS/ SULFUR RADIOISOTOPES/ TRITIUM

Radioimmunoassay of progesterone: comparison of (1,2,6,7-3-H₄)-progesterone and progesterone-(125-I)-iodohistamine radioligands. Scarisbrick JJ, et al. *J Steroid Biochem* 6(1):51-6, Jan 75

ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ CROSS REACTIONS/ HISTAMINE/ IODINE RADIOISOTOPES/ METHODS/ *PROGESTERONE, blood/ PROGESTERONE, immunology/ RABBITS, immunology/ *RADIOIMMUNOASSAY, methods/ *RADIOLIGAND ASSAY, methods/ SERUM ALBUMIN, BOVINE, immunology/ STEROIDS, immunology/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM

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pharmacodynamics/ SECRETORY RATE, drug effects/ STIMULATION, CHEMICAL/ STOMACH, physiology/ TIME FACTORS/ TRITIUM/ VAGOTOMY

[Fluorimetric determination of testosterone on Al2O3 by thin-layer chromatographic separation of the trimethylsilyl ether derivatives (author's transl)] Huck H. *J Chromatogr* 110(1):125-31, 2 Jul 75 (Eng. Abstr.) (Ger)

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ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ *CHICKENS, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ FSH, isolation & purification/ GEL FILTRATION/ GLYCOPROTEINS, isolation & purification/ *GONADOTROPINS, PITUITARY, isolation & purification/ LH, isolation & purification/ MALE/ METHODS/ PHOSPHORUS RADIOISOTOPES/ PITUITARY GLAND, ANTERIOR, analysis/ SHEEP

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ELECTROPHORESIS

A rapid and quantitative procedure for the purification of picomole quantities of salt-free synthetic (3-H-Pro) thyrotropin releasing hormone. McKelvy JF. *Anal Biochem* 64(2):609-14, Apr 75

CARBOHYDRATES, analysis/ CELLULOSE/ ELECTROPHORESIS/ GEL FILTRATION/ METHODS/ MICROCHEMISTRY/ PROLINE/ SODIUM, analysis/ *THYROTROPIN RELEASING HORMONE, isolation & purification/ THYROTROPIN RELEASING HORMONE, chemical synthesis/ TIME FACTORS/ TRITIUM/ UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

ELECTROPHORESIS, POLYACRYLAMIDE GEL

Isolation of five active thyrotropin components from human pituitary gland. Roos P, et al. *Biochim Biophys Acta* 379(1):247-61, 30 Jan 75

AMINO ACIDS, analysis/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ LH, analysis/ METHODS/ MOLECULAR WEIGHT/ NEURAMINIDASE/ *PITUITARY GLAND/ *THYROTROPIN, isolation & purification/ THYROTROPIN, immunology

Isolation of isohormones of human prolactin from amniotic fluid. David MB, et al. *Endocr Res Commun* 1(2):193-210, 1974

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ELECTROPHORESIS, STARCH GEL/ GEL
FILTRATION/ IODINE RADIOISOTOPES/ *LH,
analysis/ LH, isolation & purification/ METHODS/
RABBITS, immunology/ RADIOIMMUNOASSAY/
TALC

FLUORESCENT ANTIBODY TECHNIC

METHODS

Immunofluorescent localization of the female sex steroids in the porcine ovary. Mirecka J.

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ANIMAL EXPERIMENTS/ CORPUS LUTEUM,
analysis/ CORPUS LUTEUM, cytology/ *ESTRONE,
analysis/ FEMALE/ FLUORESCENT ANTIBODY
TECHNIC, methods/ GRAAFIAN FOLLICLE,
analysis/ *OVARY, analysis/ OVARY, anatomy &
histology/ *PROGESTERONE, analysis/ RABBITS,
immunology/ SWINE

FLUOROMETRY

A simple competitive protein binding assay for plasma cortisol. Baum CK, et al. *Clin Chim Acta* 55(2):147-54, 16 Sep 74

ANIMAL EXPERIMENTS/ AUTOANALYSIS/
BINDING SITES/ BINDING, COMPETITIVE/
COMPARATIVE STUDY/ DEXTRAN/
FLUOROMETRY/ HEAT/ HUMAN/
*HYDROCORTISONE, blood/ PROTEIN BINDING/
PROTEIN DENATURATION/ RABBITS/
RADIOISOTOPES/ *RADIOLIGAND ASSAY,
methods/ RADIOLIGAND ASSAY, standards/
SCINTILLATION COUNTERS/ SELENIUM/ TIME
FACTORS/ TRANCORTIN

GEL FILTRATION

A rapid and quantitative procedure for the purification of picomole quantities of salt-free synthetic (3-H-Pro) thyrotropin releasing hormone. McKelvey JF. *Anal Biochem* 64(2):609-14, Apr 75

CARBOHYDRATES, analysis/ CELLULOSE/
ELECTROPHORESIS/ GEL FILTRATION/
METHODS/ MICROCHEMISTRY/ PROLINE/
SODIUM, analysis/ *THYROTROPIN RELEASING
HORMONE, isolation & purification/
THYROTROPIN RELEASING HORMONE, chemical
synthesis/ TIME FACTORS/ TRITIUM/ UNITED
STATES GOVERNMENT SUPPORTED, NON-N.I.H.

Isolation of five active thyrotropin components from human pituitary gland. Roos P, et al.

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AMINO ACIDS, analysis/ BIOLOGICAL ASSAY/
CHROMATOGRAPHY/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ GEL FILTRATION/
HUMAN/ LH, analysis/ METHODS/ MOLECULAR
WEIGHT/ NEURAMINIDASE/ *PITUITARY
GLAND/ *THYROTROPIN, isolation &
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*ALDOSTERONE, blood/ ALDOSTERONE,
immunology/ ANTIGEN-ANTIBODY REACTIONS/
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CORTICOSTERONE, blood/ CORTISONE, blood/
CROSS REACTIONS/ GEL FILTRATION/
HUMAN/ HYDROCORTISONE, blood/
RADIOIMMUNOASSAY, methods/
RADIOIMMUNOASSAY, standards/ SERUM
ALBUMIN, BOVINE/ TRITIUM

Preparation of high-quality iodine-125-labelled pituitary luteinizing hormone for radioimmunoassay. Pinto H, et al. *Clin Chim Acta* 60(2):125-35, 16 Apr 75

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ELECTROPHORESIS, STARCH GEL/ GEL
FILTRATION/ IODINE RADIOISOTOPES/ *LH,
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FEMALE/ GEL FILTRATION/ HYSTERECTOMY/
METHODS/ ORGAN SPECIFICITY/ OVARY,
analysis/ OVARY, physiology/
RADIOIMMUNOASSAY/ *RELAXIN, blood/
RELAXIN, analysis/ SHEEP/ SPECIES
SPECIFICITY/ SWINE/ TIME FACTORS/
UTERUS, analysis/ UTERUS, physiology

Isolation of isohormones of human prolactin from amniotic fluid. David MB, et al.

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ASSAY/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ FREEZE DRYING/
GEL FILTRATION/ HUMAN/ ISOELECTRIC
FOCUSING/ METHODS/ PIGEONS/ *PROLACTIN,
isolation & purification/ RADIOIMMUNOASSAY

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*CHICKENS, metabolism/ CHROMATOGRAPHY,
ION EXCHANGE/ COMPARATIVE STUDY/ FSH,
isolation & purification/ GEL FILTRATION/
GLYCOPROTEINS, isolation & purification/
*GONADOTROPINS, PITUITARY, isolation &
purification/ LH, isolation & purification/ MALE/
METHODS/ PHOSPHORUS RADIOISOTOPES/
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AMMONIUM SULFATE/ ANIMAL
EXPERIMENTS/ CHROMATOGRAPHY, ION
EXCHANGE/ FRACTIONAL PRECIPITATION/
GEL FILTRATION/ HUMAN/ METHODS/
PITUITARY GLAND, analysis/
RADIOIMMUNOASSAY/ *SOMATOTROPIN,
isolation & purification/ SWINE

Separation of some 16-androstenes on hydroxyalkoxypropyl-Sephadex (lipidex-TM). Bicknell DC, et al. *J Chromatogr* 110(1):210-2, 2 Jul 75

ANDROSTADIENES, analysis/ *ANDROSTENES,
analysis/ CHROMATOGRAPHY/ *DEXTRAN,
analogs & derivatives/ *GEL FILTRATION/
METHODS/ SOLVENTS

A nonchromatographic radioimmunoassay for 17alpha-hydroxyprogesterone. Hami M, et al.

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ADULT/ ANTIGEN-ANTIBODY REACTIONS/
CHILD/ COMPARATIVE STUDY/ EVALUATION
STUDIES/ FEMALE/ GEL FILTRATION/ HUMAN/
*HYDROXYPROGESTERONE, blood/ IMMUNE
SERUMS/ MALE/ MENSTRUATION/ METHODS/
OVARIAN DISEASES, blood/
RADIOIMMUNOASSAY/ TIME FACTORS/
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Characterization of human growth hormone preparations used for the treatment of pituitary dwarfism: a comparison of concurrently used batches. Holmström B, et al. *J Clin Endocrinol Metab*

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ACETONE/ COMPARATIVE STUDY/
*DWARFISM, PITUITARY, drug therapy/
EVALUATION STUDIES/ FREEZING/ FSH,
analysis/ GEL FILTRATION/ HUMAN/ LH,
analysis/ METHODS/ RADIOIMMUNOASSAY/
*SOMATOTROPIN, therapeutic use/
SOMATOTROPIN, analysis/ SOMATOTROPIN,
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CHROMATOGRAPHY, ION EXCHANGE/ FSH,

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*GLYCOPROTEINS, isolation & purification/
HUMAN/ LH, isolation & purification/
MACROMOLECULAR SYSTEMS/ METHODS/
*PITUITARY HORMONES, ANTERIOR, isolation &
purification/ THYROTROPIN, isolation &
purification

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AMNIOTIC FLUID, analysis/
CHROMATOGRAPHY, DEAE-CELLULOSE/
CHROMATOGRAPHY, ION EXCHANGE/
ELECTROPHORESIS, POLYACRYLAMIDE GEL/
FEMALE/ FREEZE DRYING/ GEL FILTRATION/
HUMAN/ METHODS/ *PITUITARY GLAND,
analysis/ PREGNANCY/ *PROLACTIN, isolation &
purification/ RADIOIMMUNOASSAY/ UNITED
STATES GOVERNMENT SUPPORTED, N.I.H.

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isolation & purification/ GEL FILTRATION/ LH,
isolation & purification/ METHODS/ *PITUITARY
GLAND, analysis/ *PITUITARY GLAND,
ANTERIOR, analysis/ *PITUITARY HORMONES,
ANTERIOR, isolation & purification/ PROLACTIN,
isolation & purification/ RABBITS, immunology/
RADIOIMMUNOASSAY/ RATS/ SHEEP/
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FILTRATION/ HUMAN/ INSULIN, blood/ IODINE
RADIOISOTOPES/ KINETICS/ LYMPHOCYTES/
METHODS/ PROTEIN BINDING/
RADIOIMMUNOASSAY/ *RECEPTORS,
HORMONE/ *SOMATOTROPIN, blood

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ANIMAL EXPERIMENTS/ CATTLE/
COMPARATIVE STUDY/ CROSS REACTIONS/
*ESTRADIOL, blood/ ESTRUS/ EVALUATION
STUDIES/ GEL FILTRATION/ METHODS/
MICROCHEMISTRY/ RADIOIMMUNOASSAY/
SHEEP, immunology/ TIME FACTORS/ TRITIUM

HEMAGGLUTINATION INHIBITION TESTS

A modified hemagglutination inhibition test for
estimating human follicle-stimulating hormone
(hFSH) in unprocessed urine. Schuurs AH, et al.
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BIOLOGICAL ASSAY/ FEMALE/ *FSH, urine/
*HEMAGGLUTINATION INHIBITION TESTS/
HEMAGGLUTINATION INHIBITION TESTS,
methods/ HUMAN/ RADIOIMMUNOASSAY

METHODS

A modified hemagglutination inhibition test for
estimating human follicle-stimulating hormone
(hFSH) in unprocessed urine. Schuurs AH, et al.
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BIOLOGICAL ASSAY/ FEMALE/ *FSH, urine/
*HEMAGGLUTINATION INHIBITION TESTS/
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HISTOCYTOCHEMISTRY/ *HORMONES, analysis/
IMMUNOGLOBULINS/ METHODS/ MICROSCOPY,
ELECTRON/ *PEROXIDASES/ PLANTS,
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METHODS

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analysis/ CAUDATE NUCLEUS, analysis/
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methods/ HYPOTHALAMUS, analysis/ MALE/
MEDIAN EMINENCE, analysis/
METHYLTYROSINES, pharmacodynamics/
MICROSCOPY, FLUORESCENCE, methods/
NOREPINEPHRINE, analysis/ RATS/ RESERPINE,
pharmacodynamics/ UNITED STATES
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TESTS, methods/ HUMAN/
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*TRANSCORTIN, analysis

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ASSAY/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ FREEZE DRYING/
GEL FILTRATION/ HUMAN/ ISOELECTRIC
FOCUSING/ METHODS/ PIGEONS/ *PROLACTIN,
isolation & purification/ RADIOIMMUNOASSAY

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analysis/ ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ADRENAL
GLANDS, metabolism/ ADRENAL GLANDS, drug
effects/ ANIMAL EXPERIMENTS/ CHARCOAL/
CORTICOTROPIN, physiology/ DEXTRAN/ LIVER,
metabolism/ LIVER, drug effects/ METHODS/
MICROCHEMISTRY/ MORPHINE,
pharmacodynamics/ RADIOIMMUNOASSAY/
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SODIUM, analysis/ *THYROTROPIN RELEASING
HORMONE, isolation & purification/
THYROTROPIN RELEASING HORMONE, chemical
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ANTIBODIES/ BINDING SITES/ COMPARATIVE
STUDY/ DRUG STABILITY/ EVALUATION

STUDIES/ GOATS, immunology/ HUMAN/
KINETICS/ *LH, blood/ MICROCHEMISTRY/
PROTEIN BINDING/ RABBITS, immunology/
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ESTRADIOL, urine/ *ESTROGENS, urine/
ESTRONE, urine/ FEMALE/ FETAL DEATH/
HUMAN/ METHODS/ MICROCHEMISTRY/
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COMPARATIVE STUDY/ CROSS REACTIONS/
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STUDIES/ GEL FILTRATION/ METHODS/
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ETHYL/ EVALUATION STUDIES/
*HYPOTHALAMUS, analysis/ METHODS/
*PEPTIDES, isolation & purification/ *PITUITARY
HORMONE RELEASING HORMONES, isolation &
purification/ PRECIPITATION/ UNITED STATES
GOVERNMENT SUPPORTED, N.I.H./ UNITED
STATES GOVERNMENT SUPPORTED, NON-N.I.H.

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ANTIBODIES/ BINDING SITES/ COMPARATIVE
STUDY/ DRUG STABILITY/ EVALUATION
STUDIES/ GOATS, immunology/ HUMAN/
KINETICS/ *LH, blood/ MICROCHEMISTRY/
PROTEIN BINDING/ RABBITS, immunology/
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blood/ EVALUATION STUDIES/ FEMALE/
HUMAN/ *HYDROCORTISONE, blood/ MALE/
METHODS/ PROTEIN BINDING/ QUALITY
CONTROL/ RADIOIMMUNOASSAY, standards/
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COMPARATIVE STUDY/ *DIABETES MELLITUS,
drug therapy/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ INSULIN ANTIBODIES,
analysis/ *INSULIN, blood/ INSULIN, therapeutic
use/ PROTEIN BINDING/
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FLUOROMETRY/ HEAT/ HUMAN/
*HYDROCORTISONE, blood/ PROTEIN BINDING/
PROTEIN DENATURATION/ RABBITS/
RADIOISOTOPES/ *RADIOLIGAND ASSAY,
methods/ RADIOLIGAND ASSAY, standards/
SCINTILLATION COUNTERS/ SELENIUM/ TIME
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blood/ BINDING SITES/ BINDING,
COMPETITIVE/ CARBON RADIOISOTOPES/
CHARCOAL/ CHILD/ COLOR BLINDNESS, blood/
EUNUCHISM, blood/ FEMALE/ *GLOBULINS,
analysis/ HIRSUTISM, blood/ HUMAN/
HYPOGONADISM, blood/ KINETICS/
KLINEFELTER'S SYNDROME, blood/ MALE/
MENOPAUSE/ MENTAL RETARDATION, blood/
MIDDLE AGE/ PREGNANCY/ PREGNANCY,
THIRD TRIMESTER/ *PROTEIN BINDING/
RADIOLIGAND ASSAY, methods/
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FACTORS/ TRANCORTIN, analysis

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INTRADERMAL/ IODINE RADIOISOTOPES/
*LH-FSH RELEASING HORMONE, analysis/
PROTEIN BINDING/ RABBITS, immunology/
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WEIGHT/ *PREGNANCY/ PROTEIN BINDING/
RADIOIMMUNOASSAY/ SERUM ALBUMIN,
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METHODS/ PREGNANCY/ *PREGNANCY, THIRD
TRIMESTER/ *PREGNANEDIONES, blood/
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metabolism/ *PITUITARY HORMONE
RELEASING HORMONES, analysis/ PITUITARY
HORMONE RELEASING HORMONES, physiology/
PROTEIN BINDING/ *RECEPTORS, HORMONE/
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application to insulin and to human growth hormone.
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SURVIVAL/ CELLS, CULTURED/ GEL

FILTRATION/ HUMAN/ INSULIN, blood/ IODINE
RADIOISOTOPES/ KINETICS/ LYMPHOCYTES/
METHODS/ PROTEIN BINDING/
RADIOIMMUNOASSAY/ *RECEPTORS,
HORMONE/ *SOMATOTROPIN, blood

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Semi-automated radioimmunoassays for total serum thyroxine and triiodothyronine. Challand GS, et al. *Clin Chim Acta* 60(1):25-32, 2 Apr 75

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METHODS/ ORGAN SPECIFICITY/ OVARY, analysis/ OVARY, physiology/
RADIOIMMUNOASSAY/ *RELAXIN, blood/
RELAXIN, analysis/ SHEEP/ SPECIES SPECIFICITY/ SWINE/ TIME FACTORS/
UTERUS, analysis/ UTERUS, physiology

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A simple specific assay for estriol in maternal urine. Davis SE, et al. *J Clin Endocrinol Metab* 40(5):895-900, May 75

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*DWARFISM, PITUITARY, drug therapy/
EVALUATION STUDIES/ FREEZING/ FSH,
analysis/ GEL FILTRATION/ HUMAN/ LH,
analysis/ METHODS/ RADIOIMMUNOASSAY/
*SOMATOTROPIN, therapeutic use/
SOMATOTROPIN, analysis/ SOMATOTROPIN,
isolation & purification/ THYROTROPIN, analysis

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ADOLESCENCE/ ADULT/ AGED/ ANOREXIA
NERVOSA, metabolism/ CHILD/ CHILD,
PRESCHOOL/ *FSH, secretion/ FSH, urine/ FSH,
blood/ HUMAN/ INFANT/ *LH, secretion/ LH,
urine/ LH, blood/ MENOPAUSE/ METHODS/
MIDDLE AGE/ RADIOIMMUNOASSAY/ TIME
FACTORS

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BIOLOGICAL ASSAY/ FEMALE/ *FSH, urine/
*HEMAGGLUTINATION INHIBITION TESTS/
HEMAGGLUTINATION INHIBITION TESTS,
methods/ HUMAN/ RADIOIMMUNOASSAY

A radioimmunoassay for the measurement of pyroglutamyl-histidyl-proline, a proposed thyrotropin releasing hormone metabolite. Visser TJ, et al. *J Clin Endocrinol Metab* 40(4):742-5, Apr 75
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IODINE RADIOISOTOPES/ RABBITS,
immunology/ *RADIOIMMUNOASSAY/
RADIOIMMUNOASSAY, methods/
*THYROTROPIN RELEASING HORMONE,
analysis/ THYROTROPIN RELEASING HORMONE,
analogs & derivatives/ THYROTROPIN
RELEASING HORMONE, metabolism

Purification of human prolactin. Hwang P, et al.

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AMNIOTIC FLUID, analysis/
CHROMATOGRAPHY, DEAE-CELLULOSE/
CHROMATOGRAPHY, ION EXCHANGE/
ELECTROPHORESIS, POLYACRYLAMIDE GEL/
FEMALE/ FREEZE DRYING/ GEL FILTRATION/
HUMAN/ METHODS/ *PITUITARY GLAND,
analysis/ PREGNANCY/ *PROLACTIN, isolation &
purification/ RADIOIMMUNOASSAY/ UNITED
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AMINO ACID SEQUENCE/ AMINO ACIDS,
analysis/ CORTICOTROPIN, analysis/ CROSS
REACTIONS/ DOSE-RESPONSE RELATIONSHIP,
DRUG/ *HORMONES, analysis/ HUMAN/
MATHEMATICS/ METHODS/ *PEPTIDES,
analysis/ RADIOIMMUNOASSAY/ UNITED
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Purification of anterior pituitary hormones (ovine, bovine, rat, rabbit). Reichert LE Jr.

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ANIMAL EXPERIMENTS/ CATTLE/
CHROMATOGRAPHY, DEAE-CELLULOSE/
CHROMATOGRAPHY, ION EXCHANGE/ FSH,
isolation & purification/ GEL FILTRATION/ LH,
isolation & purification/ METHODS/ *PITUITARY
GLAND, analysis/ *PITUITARY GLAND,
ANTERIOR, analysis/ *PITUITARY HORMONES,
ANTERIOR, isolation & purification/ PROLACTIN,
isolation & purification/ RABBITS, immunology/
RADIOIMMUNOASSAY/ RATS/ SHEEP/
SOMATOTROPIN, isolation & purification/
SPECIES SPECIFICITY/ THYROTROPIN, isolation
& purification

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BINDING SITES/ BINDING, COMPETITIVE/ CELL
SURVIVAL/ CELLS, CULTURED/ GEL
FILTRATION/ HUMAN/ INSULIN, blood/ IODINE
RADIOISOTOPES/ KINETICS/ LYMPHOCYTES/
METHODS/ PROTEIN BINDING/
RADIOIMMUNOASSAY/ *RECEPTORS,
HORMONE/ *SOMATOTROPIN, blood

Plasma aldosterone by radioimmunoassay determination in normal man and in patients on maintenance haemodialysis. Olgaard K.

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ADOLESCENCE/ ADULT/ *ALDOSTERONE,
blood/ ANTIBODIES/ CHARCOAL/
CHROMATOGRAPHY, PAPER/ CROSS
REACTIONS/ FEMALE/ *HEMODIALYSIS/
HUMAN/ HYDROXYCORTICOSTEROIDS/ MALE/
MIDDLE AGE/ NEPHRECTOMY/
*RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY,
methods/ SCINTILLATION COUNTERS/
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Radioimmunoassay of estradiol-17beta in bovine peripheral plasma with and without chromatography. Peterson AJ, et al. *Steroids* 25(4):487-96, Apr 75

ANIMAL EXPERIMENTS/ CATTLE/
COMPARATIVE STUDY/ CROSS REACTIONS/
*ESTRADIOL, blood/ ESTRUS/ EVALUATION
STUDIES/ GEL FILTRATION/ METHODS/
MICROCHEMISTRY/ RADIOIMMUNOASSAY/
SHEEP, immunology/ TIME FACTORS/ TRITIUM

METHODS

A rapid radioimmunoassay method for plasma luteinizing hormone. Gupta K, et al. *Clin Biochem* 8(2):133-41, Apr 75

ANTIBODIES/ BINDING SITES/ COMPARATIVE
STUDY/ DRUG STABILITY/ EVALUATION
STUDIES/ GOATS, immunology/ HUMAN/
KINETICS/ *LH, blood/ MICROCHEMISTRY/
PROTEIN BINDING/ RABBITS, immunology/
RADIOIMMUNOASSAY, methods/ TIME
FACTORS

Quantitation of free, total, and antibody-bound insulin in insulin-treated diabetics. Gennaro WD, et al.

Clin Chem 21(7):873-9, Jun 75
ANTIGEN-ANTIBODY COMPLEX/
COMPARATIVE STUDY/ *DIABETES MELLITUS,
drug therapy/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ INSULIN ANTIBODIES,
analysis/ *INSULIN, blood/ INSULIN, therapeutic
use/ PROTEIN BINDING/
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immunology/ ANTIGEN-ANTIBODY REACTIONS/
CHROMATOGRAPHY, PAPER/
CORTICOSTERONE, blood/ CORTISONE, blood/
CROSS REACTIONS/ GEL FILTRATION/
HUMAN/ HYDROCORTISONE, blood/
RADIOIMMUNOASSAY, methods/
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ALBUMIN, BOVINE/ TRITIUM

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BINDING, COMPETITIVE/ CATTLE/ CROSS
REACTIONS/ EVALUATION STUDIES/ FEMALE/
HUMAN/ INFANT, NEWBORN/ MALE/
MENSTRUATION/ RABBITS, immunology/
*RADIOIMMUNOASSAY, methods/ SERUM
ALBUMIN, BOVINE/ STANOLONE/
*TESTOSTERONE, blood/ TRITIUM

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BUFFERS/ CHARCOAL/ CHROMATOGRAPHY/
COMPARATIVE STUDY/ *ESTRADIOL, blood/
ETHYL ETHERS/ FEMALE/ HUMAN/ IMMUNE
SERUMS/ PHOSPHATES/ *PROGESTERONE,
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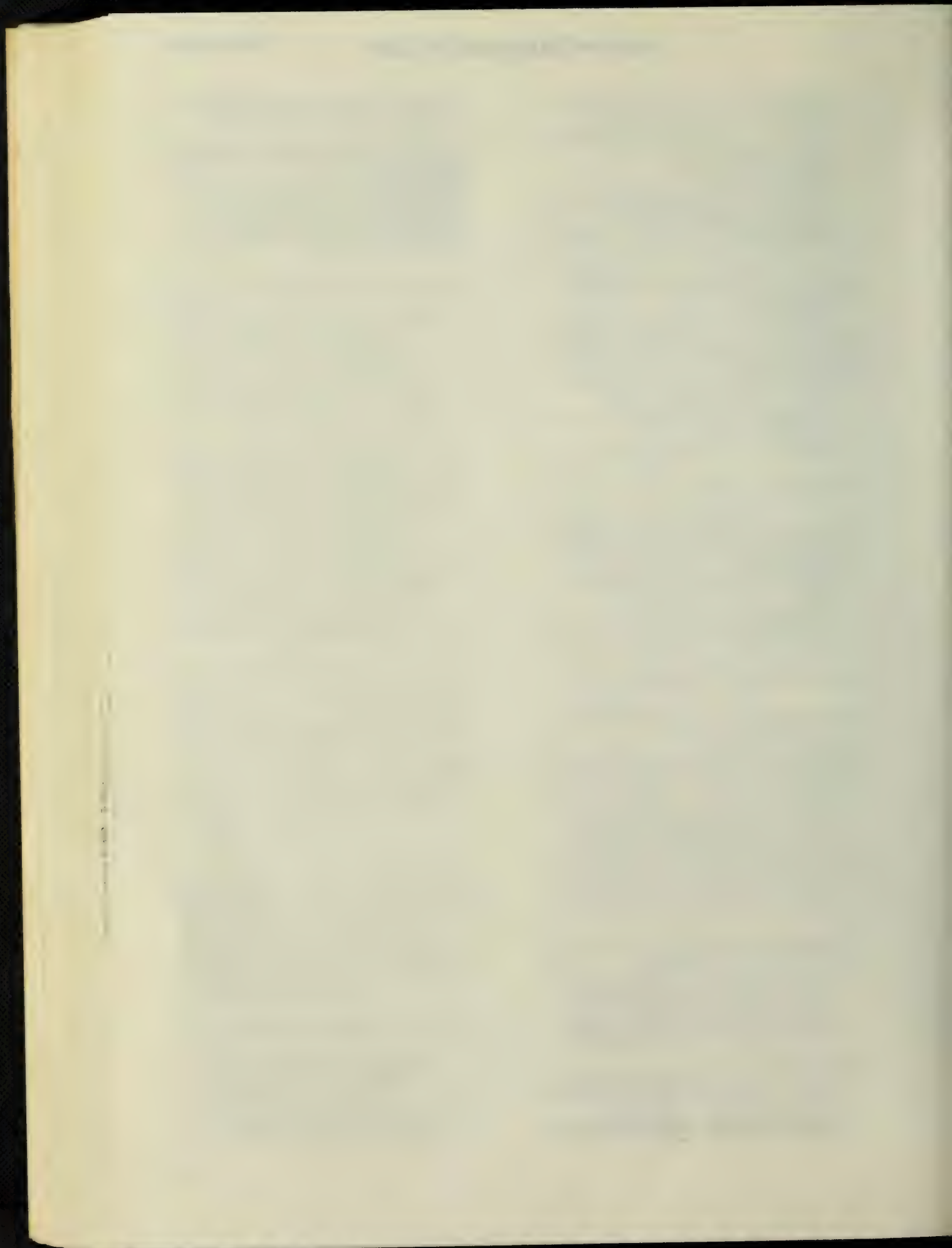
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physiopathology/ DOGS/ *FUROSEMIDE,
pharmacodynamics/ IN VITRO/ KIDNEY,
physiology/ *MESENTERIC ARTERIES, drug
effects/ METHYLERGIDE, pharmacodynamics
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BICARBONATES, metabolism/ BLOOD/
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biosynthesis/ GLUTAMATES, urine/
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INTUBATION, INTRATRACHEAL/ *MORPHINE,
MORPHINE, pharmacodynamics/ MORPHINE,
administration & dosage/ *NITROUS OXIDE,
NITROUS OXIDE, pharmacodynamics/ OSMOLAR
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therapy/ DRUG EVALUATION/ DRUG
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therapeutic use/ LITHIUM, blood/ LITHIUM,
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DOSE-RESPONSE RELATIONSHIP, DRUG/
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ACTIVATION/ EPINEPHRINE,
pharmacodynamics/ ERYTHROCYTES,
enzymology/ FLUORIDES, pharmacodynamics/
KINETICS/ PROTEIN BINDING/ RATS/
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pharmacodynamics/ GUANOSINE
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effects/ DRUG COMBINATIONS/ DRUG
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dosage/ *ESTRENES, therapeutic use/ FEM
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HYPOTHYROIDISM, complications/ MALE/
MIDDLE AGE/ PLASMA CELLS/ RADIOISOT
SCANNING/ THYROID GLAND, immunolog
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ABSTRACT/ GEESE/ HISTONES, metaboli
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HUMAN/ METHODS/ OVARY/ PROTEIN
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blood/ MIDDLE AGE/ PERPHENAZINE, adverse
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analysis/ PROLACTIN/ PROTEIN BINDING/
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blood/ ENGLISH ABSTRACT/ *GLIOBLASTOMA
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TRANSPLANTATION/ NEOPLASMS,
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pharmacodynamics/ DOSE-RESPONSE
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pharmacodynamics/ GABA, pharmacodynamics/
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HYPOTHALAMUS, analysis/ IN VITRO/
KINETICS/ LH, secretion/ *LH-FSH RELEASING
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HORMONE, pharmacodynamics/ METHODS/
MICROSCOPY, PHASE CONTRAST/
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complications/ HYPERHYROIDISM, diagnosis/
LIVER DISEASES, etiology/ *LIVER DISEASES,
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EDEMA, drug therapy/ ENGLISH ABSTRACT/ EXUDATES AND TRANSUDATES/
FLUORESCENCE ANGIOGRAPHY/ FUNDUS OCULI/
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ELASTIC TISSUE, drug effects/
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BRAIN, enzymology/
CATECHOL METHYLTRANSFERASE, antagonists & inhibitors/
CATTLE/
DEOXY SUGARS, chemical synthesis/
GUINEA PIGS/
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HOMOCYSTEINE, chemical synthesis/
LIVER, enzymology/
MALE/
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NUCLEAR MAGNETIC RESONANCE/
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drug therapy/ CATECHOLAMINES, secretion/
DIABETES MELLITUS, drug therapy/ DIABETIC
COMA, drug therapy/ ENGLISH ABSTRACT/
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GLUCAGON, diagnostic use/ GLUCAGON,
therapeutic use/ HEART FAILURE,
CONGESTIVE, drug therapy/ HUMAN/
HYPOGLYCEMIA, drug therapy/ INSULIN,
secretion/ ISLANDS OF LANGERHANS,
metabolism/ KIDNEY FAILURE, ACUTE, drug
therapy/ LIPIDS, metabolism/ *METABOLISM,
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DEXAMETHASONE, pharmacodynamics/
DOSE-RESPONSE RELATIONSHIP, DRUG/
FEMALE/ FLUOROMETHOLONE, pharmacodynamics/
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*INTRAOCULAR PRESSURE, drug effects/
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supply/ MALE/ *MUSCLE TONUS, drug effects/
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HOST REACTION/ HEMOLYTIC PLAQUE
TECHNIC/ HISTOCOMPATIBILITY ANTIGENS/
MICE/ MICE, INBRED BALB C/ MICE, NUDE/
ORGAN CULTURE/ RADIATION CHIMERA/
RADIATION EFFECTS/ SHEEP, immunology/
SKIN, transplantation/ SPLEEN, cytology/
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complications/ HEMODIALYSIS/ HUMAN/
KIDNEY FAILURE, CHRONIC, blood/ KI
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enzymology/ ANIMAL EXPERIMENTS/
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CATTLE/ CHROMAFFIN SYSTEM, enzymology/
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IMMUNOGENETICS/ LIPIDS, analysis/
MICROSCOPY, ELECTRON/ NEOPLASMS,
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physiopathology/ *EPILEPSY, chemically
induced/ FLUROTHYL/ HEART RATE/
*HEMODYNAMICS/ HYDROXYDOPAMINE,
pharmacodynamics/ NEUROSURGERY/ PARESIS,
chemically induced/ PENTYLENETETRAZOLE/
PHENTOLAMINE, pharmacodynamics/
*REGIONAL BLOOD FLOW/ SYMPATHECTOMY/
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etiology/ AUSTRALIA ANTIGEN, isolation &
purification/ BONE MARROW DISEASES,
complications/ CALCIUM METABOLISM
DISORDERS, etiology/ CALCIUM, metabolism/
CARDIOVASCULAR DISEASES, etiology/
CARRIER STATE/ ENGLISH ABSTRACT/
ERYTHROPOIESIS/ *HEMODIALYSIS, adverse
effects/ HEMODIALYSIS, HOME/ HEPATITIS,
INFECTIOUS, etiology/
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FAILURE, CHRONIC, therapy/ KIDNEY
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pharmacodynamics/ *ESTRADIOL, analogs &
derivatives/ ESTRADIOL, pharmacodynamics/
ESTRONE, pharmacodynamics/ FEMALE/
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KINETICS/ MERCURY/ ORGANOMETALLIC
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CORTEX, enzymology/ KIDNEY CORTEX,
analysis/ *KIDNEY, metabolism/ KIDNEY,
enzymology/ KIDNEY, analysis/ LIVER, analysis/
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FUNCTION TESTS/ *LIVER NEOPLASMS,
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diagnosis/ MALE/ *METHYLTESTOSTERONE,
adverse effects/ METHYLTESTOSTERONE,
therapeutic use/ NEOPLASM METASTASIS/
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HUMAN/ HYDROGEN-ION CONCENTRATION/
HYPERTENSION, RENAL, complications/
KIDNEY CORTEX NECROSIS, complications/
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TOLERANCE TEST/ HUMAN/
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blood/ INFANT, NEWBORN/ *INFANT,
NEWBORN, DISEASES, blood/ INSULIN, blood/
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LIVER, metabolism/ MICROSOMES, LIVER
effects/ PROTEIN BINDING/ RATS/
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drug effects/ CULTURE MEDIA/
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histology/ INJECTIONS/ IODINE
RADIOISOTOPES/ IODINE, metabolism/
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MENSTRUATION/ MIDDLE AGE/ *OVARY, drug
effects/ OVARY, metabolism/ OVARY,
enzymology/ OVULATION/ OXYGEN
CONSUMPTION/ PERFUSION/ PREGNANCY/
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STUDY/ ESTRADIOL, blood/ ESTRADIOL,
metabolism/ ESTRIOL, biosynthesis/ ESTRONE,
metabolism/ FEMALE/ *GONADS, metabolism/
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CONTROLLED/ *HYPOTHALAMUS, physiology/
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MALE/ MODELS, BIOLOGICAL/ OXYGEN
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pharmacodynamics/ HUMAN/ IN VITRO/
KINETICS/ *METHYLTRANSFERASES,
antagonists & inhibitors/ MYOCARDIUM,
analysis/ NOREPINEPHRINE, analysis/
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metabolism/ DOPAMINE, metabolism/ ENZYME
INHIBITORS, pharmacodynamics/ LIMBIC
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JAUNDICE, complications/ LABOR,
PREMATURE, etiology/ MATERNAL-FETAL
EXCHANGE/ *PREGNANCY COMPLICATIONS,
diagnosis/ *PREGNANCY COMPLICATIONS,
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metabolism/ GLUCOSIDASES, antagonists/
inhibitors/ GLUCURONIDASE/ HEAT/
*HYDROCORTISONE, pharmacodynamics/
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HYDROGEN-ION CONCENTRATION/
INJECTIONS, SUBCUTANEOUS/ *INTESTINAL
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ELECTROPHORESIS, POLYACRYLAMIDE GEL/
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FEEDBACK/ MODELS, BIOLOGICAL/
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CARBOHYDRATE METABOLISM, INBORN
ERRORS/ DERMATOGLYPHICS/ DWARFISM,
occurrence/ DYSTONIA MUSCULORUM
DEFORMANS, occurrence/ FACIAL
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DEFICIENCY, occurrence/ GAUCHER'S
DISEASE, occurrence/ *GENETICS,
POPULATION/ GLUCOSEPHOSPHATE
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DISEASES, occurrence/ HUMAN/ ISRAEL/
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etiology/ HUMAN/ *LACTATION DISORDERS/
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physiopathology/ *HYPOTHALAMUS, physiology/
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PALSY, etiology/ CEREBRAL PALSY,
occurrence/ CHILD/ CHILD, PRESCHOOL/
FEMALE/ HEMIPLEGIA, etiology/ HEMIPLEGIA,
occurrence/ HUMAN/ INFANT/ INFANT,
NEWBORN/ INTELLIGENCE/ MOVEMENT
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HYPOPHYSECTOMY/ LEYDIG CELLS,
metabolism/ LYMPH, analysis/ MALE/
PITUITARY GLAND, physiology/ RADIATION
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chemically induced/ COMPARATIVE STUDY/
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DRUG THERAPY, COMBINATION/ FEMALE/
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induced/ LUPUS ERYTHEMATOSUS, SYSTEMIC,
drug therapy/ MALE/ MICE, INBRED NZB/ MICE,
INBRED STRAINS/ *NEOPLASMS,
EXPERIMENTAL, chemically induced/
NEPHRITIS, drug therapy/ PREDNISOLONE,
therapeutic use/ PREDNISOLONE, toxicity/
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HYPOTHYROIDISM, drug therapy/
HYPOTHYROIDISM, complications/
HYPOTHYROIDISM, blood/ INFANT,
NEWBORN/ MALE/ MENTAL RETARDATION,
prevention & control/ MENTAL RETARDATION,
etiology/ PROTEIN-BOUND IODINE TEST/
THYROID GLAND FUNCTION TESTS/
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metabolism/ GLUCAGON, pharmacodynamics/
GLYCERIN, biosynthesis/ GLYCOLYSIS/
HUMAN/ INFANT, NEWBORN/ LACTATION/
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immunology/ *LYMPHOCYTES, immunology/
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KIDNEY NEOPLASMS, pathology/ KIDNEY TUBULES, PROXIMAL, pathology/ MALE/ METHANESULFONATES/ ORGAN WEIGHT, drug effects/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, cytology/ PITUITARY GLAND, secretion/ PITUITARY NEOPLASMS, chemically induced/ PROLACTIN, secretion/ SOMATOTROPIN, secretion/ TESTIS, drug effects/ *2-BROMOERGOCRYPTINE, pharmacodynamics

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HYPOTHYROIDISM, drug therapy/
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PLACENTA/ PREGNANCY/ RATS/
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AUTHOR SECTION

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GLUCOCORTICIDS, therapeutic use/ HUMAN/
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ACTIVATION/ EPINEPHRINE,
pharmacodynamics/ FLUORIDES,
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metabolism/ NOREPINEPHRINE,
pharmacodynamics/ NOREPINEPHRINE, analogs
& derivatives/ PHOSPHODIESTERASES, analysis/
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deficiency/ CHEMISTRY/ DEFICIENCY
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RABBITS/ RATS/ REVIEW/ *RNA, TRANSFER,
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AGE/ MOVEMENT DISORDERS, chemically
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analogs & derivatives/ ETIOCHOLANOLONE,
urine/ ETIOCHOLANOLONE, analogs &
derivatives/ FEMALE/ HUMAN/ MENOPAUSE/
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PREGNANETRIOL, urine/ *PROGESTATIONAL
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prevention & control/ HISTORICAL ARTIFICIAL
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PULMONARY, diagnosis
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COPPER, analysis/ CORTICOTROPIN,
pharmacodynamics/ ENGLISH ABSTRACT
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enzymology/ ORGAN WEIGHT/ PANCREA
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HETEROCHROMATIN, ultrastructure/ HUMAN/
LIVER, ultrastructure/ LYMPHOCYTE
TRANSFORMATION/ MICROSCOPY,
ELECTRON/ *MITOSIS/ NUCLEOPROTEINS/
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dosage/ CARBON DIOXIDE, blood/ DEPRESSION,
CHEMICAL/ DOGS/ *GASTRIC JUICE, secretion/
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pharmacodynamics/ HISTAMINE, administration
& dosage/ HYDROGEN-ION CONCENTRATION/
IMIDAZOLES, pharmacodynamics/ IMIDAZOLES,
administration & dosage/ INJECTIONS,
INTRA-ARTERIAL/ OXYGEN, blood/
PERFUSION, methods/ PRESSURE/
RECEPTORS, DRUG/ STIMULATION,
CHEMICAL/ *STOMACH, drug effects/
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effects/ CATTLE/ *COCAINE,
pharmacodynamics/ *DIPLOCOCCUS
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DETERMINATION/ TESTIS, anatomy & histology/
*TRICHINELLA, anatomy & histology/
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analogs & derivatives/ CHROMATOGRAPHY,
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pharmacodynamics/ *BACTERIAL PROTEINS,
metabolism/ BINDING, COMPETITIVE/
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metabolism/ *ESCHERICHIA COLI, metabolism/
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CYCLIC 3',5' MONOPHOSPHATE,
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KINETICS/ NUCLEOTIDES, CYCLIC,
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NEOPLASM METASTASIS/ OVARIAN
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 methods/ ENZYMES, analysis/ HORMONES,
 analysis/ HUMAN/ IMMUNOELECTROPHORESIS,
 methods/ INTERFERON, analysis/ INTRINSIC
 FACTOR, analysis/ *ISOELECTRIC FOCUSING,
 methods/ LIVER, enzymology/ METABOLISM,
 INBORN ERRORS/ MUSCLE PROTEINS, analysis/
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 metabolism/ CALCIUM, therapeutic use/
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 HYDROXYCHOLECALCIFEROLS, blood/
 KIDNEY TUBULES, metabolism/ KIDNEY
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 complications/ *MALABSORPTION SYNDROMES,
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CONCENTRATING ABILITY/ MALE/
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METHIMAZOLE, blood/ METHIMAZOLE,
administration & dosage/ PROTEIN BINDING/
RATS/ SULFUR RADIOISOTOPES/ *THYROID
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EVALUATION/ DRUG SCREENING/
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HYDROCORTISONE, physiology/
HYPERPARATHYROIDISM, metabolism/
HYPERPARATHYROIDISM, complications/
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analysis/ IOWA/ LEUKEMIA, familial & genetic/
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use/ JOINT PROsthESIS/ MALE/
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PRESCHOOL/ CORTISONE, therapeutic use/
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DNA, metabolism/ FATTY ACIDS,
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MOTOR ENDPLATE/ MUSCLES, anatomy &
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GOITER, EXOPHTHALMIC, drug therapy,
HUMAN/ IGG, pharmacodynamics/
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pharmacodynamics/ LYMPHOCYTE
TRANSFORMATION/ LYMPHOCYTES,
metabolism/ MALE/ PROLACTIN, blood/
PROPYLTHIOURACIL, therapeutic use/
STIMULATION, CHEMICAL/ THYMIDINE
metabolism/ THYROID GLAND, analysis/
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DEHYDROGENASE, isolation & purificati
GLUCOSEPHOSPHATE DEHYDROGENAS
metabolism/ ISOELECTRIC FOCUSING/
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 ALDOSTERONE, urine/
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 DEHYDROEPIANDROSTERONE, blood/
 DEXAMETHASONE, diagnostic use/ FSH, blood/
 *GYNECOMASTIA, etiology/ GYNECOMASTIA,
 drug therapy/ HUMAN/ HYDROCORTISONE,
 urine/ INFANT/ LH, blood/ MALE/ PENIS,
 anatomy & histology/ PREDNISONE, therapeutic
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 MAGNESIUM, pharmacodynamics/ MOLECULAR
 WEIGHT/ MUSCLE PROTEINS, metabolism/
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 metabolism/ DEOXYURIDINE, metabolism/ DNA,
 biosynthesis/ *GUANOSINE CYCLIC 3',5'
 MONOPHOSPHATE, pharmacodynamics/
 HEPATECTOMY/ LIVER, physiology/ MODELS,
 BIOLOGICAL/ PARATHYROID GLANDS,
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 FEMALE/ GLUCOSE TOLERANCE TEST/
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 RETROSPECTIVE STUDIES/ *SARCOMA,
 OSTEOGENIC, metabolism/ SARCOMA,
 OSTEOGENIC, blood/ SARCOMA, OSTEOGENIC,
 pathology/ SARCOMA, OSTEOGENIC, therapy/
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 ultrastructure/ CYSTADENOCARCINOMA,
 pathology/ CYTOPLASM, ultrastructure/
 DIAGNOSIS, DIFFERENTIAL/ FEMALE/
 HUMAN/ MANDIBULAR NEOPLASMS,
 radiography/ *MANDIBULAR NEOPLASMS,
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 RADIOIMMUNOASSAY/ SEX CHROMOSOMES/
 *THYROID DISEASES, diagnosis/ *THYROID
 GLAND FUNCTION TESTS/ THYROID GLAND,
 physiology/ THYROTROPIN, blood/ THYROXINE,
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 metabolism/ HUMAN/ HYSTERECTOMY/ LH,
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 MIDDLE AGE/ OVARY, physiology/ *PITUITARY
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 DRUG/ DRUG INTERACTIONS/ FEMALE/
 GONADOTROPINS, CHORIONIC, metabolism/
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 pharmacodynamics/ HUMAN/ IN VITRO/ IODINE
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 metabolism/ *PROGESTERONE, biosynthesis/
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KWASHIORKOR, metabolism/ MALE/
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MENSTRUATION/ OVULATION/ PEPTIDE
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WEIGHT/ DENERVATION/ ENGLISH
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BROMODEOXYURIDINE, antagonists &
inhibitors/ CELL DIFFERENTIATION/ *CELL
DIVISION, drug effects/ CELL LINE/ CELL
SURVIVAL/ CULTURE MEDIA/ CYTARABINE,
pharmacodynamics/ DEOXYURIDINE,
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pharmacodynamics/ ADENOSINE CYCLIC 3',5'
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AGGREGATION, drug effects/ *CHEMOTAXIS,
drug effects/ DARKNESS/ HYDROLYSIS/
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metabolism/ LUNG, metabolism/ MALE/
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drug effects/ PREGNANCY/ RATS/
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metabolism/ *SEMEN, enzymology/ SPLEEN,
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drug effects/ TESTIS, metabolism/
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COMPLICATIONS, drug therapy/ PREGNANCY/
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pharmacodynamics/ FEMALE/ FERTILITY, drug
effects/ MEDROXYPROGESTERONE,
pharmacodynamics/ MESTRANOL,
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pathology/ *HEMATOLOGIC DISEASES, therapy/
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ADMINISTRATION/ HOSPITAL
DEPARTMENTS/ OVARIAN DISEASES,
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therapy
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metabolism/ ANDROGENS, metabolism/ *BONE
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metabolism/ ENGLISH ABSTRACT/ ESTROGENS,
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AGE/ SEX FACTORS
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ENGLISH ABSTRACT/ FEMALE/ HUMAN/
HYPERTHYROIDISM, physiopathology/ *IODINE
ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/
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GLANDS, physiology/ COMPARATIVE STUDY/
ENGLISH ABSTRACT/ HUMAN/ *LABOR/
LABOR, FIRST STAGE/ LABOR, SECOND
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metabolism/ ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ *ADRENERGIC
BETA RECEPTOR BLOCKADERS, therapeutic
use/ *AUTONOMIC NERVOUS SYSTEM,
physiopathology/ AUTONOMIC NERVOUS
SYSTEM, drug effects/ *CARDIOVASCULAR
SYSTEM, physiopathology/ CARDIOVASCULAR
SYSTEM, drug effects/ CATECHOLAMINES,
metabolism/ *ENDOCRINE GLANDS,
physiopathology/ ENDOCRINE GLANDS, drug
effects/ HORMONES, metabolism/ HUMAN/
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effects/ CHRONIC DISEASE/ CORTISONE,
therapeutic use/ ENGLISH ABSTRACT/
ESOPHAGEAL VARICES, blood/ FIBRINO-
LYSIS/ HEPATITIS, blood/ HUMAN/
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pharmacodynamics/ HEAT/ IN VITRO/ LAC-
TIC ACID/ *LIVER, enzymology/
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induced/ BLOOD COAGULATION TESTS/
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physiopathology/ MALE/ MIDDLE AGE/
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AGE/ *NASOPHARYNGEAL NEOPLASMS/
NASOPHARYNGEAL NEOPLASMS, surgery/
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dosage/ CITROVORUM FACTOR, therapeutic use/
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 metabolism/ HYPERTENSION, RENAL,
 physiopathology/ HYPERTENSION, RENAL,
 etiology/ INDOMETHACIN, pharmacodynamics/
 KIDNEY MEDULLA, metabolism/ KIDNEY
 MEDULLA, drug effects/ *KIDNEY, metabolism/
 MALE/ PROSTAGLANDINS E, biosynthesis/
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 effects/ *BUTRIPTYLINE, pharmacodynamics/
 CATECHOLAMINES, analysis/
 CHLORIMIPRAMINE, pharmacodynamics/
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 pharmacodynamics/ DRUG SYNERGISM/
 HYPOTHALAMUS, metabolism/ MALE/
 MEDULLA OBLONGATA, metabolism/ MICE/
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 pathology/ KIDNEY, blood supply/
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MANGANESE, deficiency/ MITE INFESTATIONS,
 veterinary/ MYCOPLASMA INFECTIONS,
 veterinary/ POULTRY DISEASES, pathology/
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 RESPIRATORY TRACT INFECTIONS,
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 CYTOLOGICAL TECHNIQUES/ *INTERCELLULAR
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 DEPRESSION, CHEMICAL/ GUANOSINE CYCLIC
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metabolism/ ASCORBIC ACID, blood/ ASCORBIC
ACID, pharmacodynamics/ BLOOD PLATELETS,
metabolism/ BLOOD VESSELS, metabolism/
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pharmacodynamics/ COPPER, blood/
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enzymology/ HUMAN/ JOINTS, abnormalities/
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metabolism/ OVIDUCTS, metabolism/ OVUM,
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FACTORS/ *TECHNETIUM, metabolism/
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WEIGHT/ *POULTRY DISEASES, pathology/
POULTRY DISEASES, chemically induced/
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BRONCHI, drug effects/
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GONADOTROPINS, CHORIONIC, administration
& dosage/ *OVULATION, drug effects/
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HORMONE, pharmacodynamics/ MALE/
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HUMAN/ LEUKEMIA, LYMPHOCYTIC, drug
therapy/ MALE/ MIDDLE AGE/ PIGMENTATION
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effects/ COMPARATIVE STUDY/ DOGS/
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EPINEPHRINE, pharmacodynamics/ *HEART
CONDUCTION SYSTEM, physiology/ IN VITRO/
MEMBRANE POTENTIALS, drug effects/

PERFUSION/ POTASSIUM, physiology/
PROPRANOLOL, pharmacodynamics/
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effects/ GEL FILTRATION/
MACROMOLECULAR SYSTEMS/ MOLECULAR
WEIGHT/ *MYOCARDIUM, enzymology/
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supply/ PREGNANCY/ REGIONAL BLOOD
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 HEMAGGLUTININS, analysis/ HUMAN/
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 effects/ *HYDROCORTISONE,
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 pharmacodynamics/ *GUANINE NUCLEOTIDE
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 pharmacodynamics/ DIURETICS, therapeutic/
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 therapy/ IN VITRO/ KINETICS/ LATERAL
 MONKEYS/ RENAL ARTERY STENOSIS, blood/
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metabolism/ HYDROXYSTEROID
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metabolism/ *LIVER, metabolism/ MEMBRANES,
metabolism/ MICROSOMES, LIVER, metabolism/
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immunology/ RABBITS, immunology/
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INTESTINAL ABSORPTION/ INTESTINAL
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HOMOLOGOUS SERUM, isolation & purificati
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complications/ IMMUNOSUPPRESSIVE AGEN
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CIRRHOSIS, OBSTRUCTIVE/ LIVER CIRRHOS
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LEUKEMIA, MONOBLASTIC, drug therapy/
MALE/ MEGAKARYOCYTES, immunology/
MICROSCOPY, ELECTRON/ MIDDLE AGE/
*MONOCYTES/ MONOCYTES, pathology/
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MIGRATION INHIBITORY FACTOR, biosynthesis/ MUMPS VIRUS, immunology/
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CORTICOTROPIN, analysis/ DOPAMINE,
analysis/ ELECTRIC STIMULATION/ ENGLISH
ABSTRACT/ EPINEPHRINE, analysis/
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analysis/ MEDIAN EMINENCE, analysis/
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MICE/ *NUCLEOSIDASES, metabolism/ *NAD
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physiology/ *INSECT HORMONES, physiology/
INSECT HORMONES, pharmacodynamics/
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LIGATION/ MALE/ NEUROSECRETORY
SYSTEMS, cytology/ OVARY, innervation/
*OVUM, physiology/ OVUM, drug effects/ *TICKS,
physiology/ TISSUE EXTRACTS,
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HYPERTHYROIDISM, drug therapy/
IDIOPATHIC HYPERTROPHIC SUBVALVULAR
STENOSIS, drug therapy/ INJECTIONS,
INTRAVENOUS/ *PROPRANOLOL, therapeutic
use/ PROPRANOLOL, administration & dosage/
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BONE AND BONES, drug effects/ BONE AND
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pharmacodynamics/ CATS/ CHICKENS/
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pharmacodynamics/ HYDROXYAPATITES,
pharmacodynamics/ METHODS/ ORGAN
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purification/ IGA, metabolism/ IMMUNIZAT
IMMUNOGLOBULINS, J CHAIN, isolation &
purification/ LIGHT/ MONKEYS/ OSMOLAL
CONCENTRATION/ PAROTID GLAND,
immunology/ PINEAL BODY, physiology/
POTASSIUM, metabolism/ RABBITS/ RATS
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secretion/ SALIVA, metabolism/ SALIVARY
GLANDS, immunology/ SALIVARY GLAND
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pharmacodynamics/
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RATS/ *TESTIS, physiopathology/ TESTIS,
growth & development/ TESTIS, drug effect/
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metabolism/ *CARTILAGE, cytology/ CHICK
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pharmacodynamics/ IN VITRO/
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physiopathology/ IODINE ISOTOPES,
DIAGNOSTIC/ LACTATES, therapeutic use/
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drug therapy/ PHOSPHORUS, analysis/
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INTESTINAL ABSORPTION/ JEJUNUM,
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metabolism/ *MALABSORPTION SYNDROMES,
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metabolism/ *HERPESVIRUS HOMINIS/
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EVALUATION STUDIES/ *HELA CELLS,
analysis/ HUMAN/ METHODS/ *NEOPLASM
PROTEINS, isolation & purification/ *RNA,
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THIOCYANATES/ TRITONS/ UNITED STATES
GOVERNMENT SUPPORTED, N.I.H./ UNITED
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immunology/ COMPARATIVE STUDY/ HUMAN/
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analysis/ MYOCARDIUM, analysis/ *POTASSIUM,
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metabolism/ IMIPRAMINE, pharmacodynamics/
IN VITRO/ IPRONIAZID, pharmacodynamics/
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HEPATITIS, HOMOLOGOUS SERUM,
complications/ HEPATITIS, HOMOLOGOUS
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HEPATOMA, etiology/ HUMAN/ IMMUNITY
CELLULAR, drug effects/
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pathology/ LIVER CIRRHOSIS, diagnosis/
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pharmacodynamics/ ENGLISH ABSTRACT/
EPINEPHRINE, pharmacodynamics/ FEMALE
GLUCOSE, pharmacodynamics/
HYDROCORTISONE, pharmacodynamics/
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MALE/ NERVE BLOCK/ OVARY, physiology/
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physiology/ PREDNISOLONE, pharmacodynamics/
PROCAINE/ PROGESTERONE,
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metabolism/ *LIPOPROTEINS, LDL, metabolism/
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INSEMINATION, ARTIFICIAL/
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CONCENTRATION/ IN VITRO/ OSMOLAR

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metabolism/ EPENDYMA, enzymology/
ESTERASES, metabolism/
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pharmacodynamics/ DESOXYCORTICOSTERONE,
pharmacodynamics/ DRUG INTERACTIONS/
ENGLISH ABSTRACT/ *GLYCOLYSIS, drug
effects/ IODOACETATES, pharmacodynamics/
LACTATES, biosynthesis/ MALE/ OXIDATIVE
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EXPERIMENTS/ BIOLOGICAL TRANSPORT/
BUTYRATES/ DIBUTYRYL CYCLIC AMP,
pharmacodynamics/ *DNA REPLICATION, drug
effects/ ENZYME ACTIVATION, drug effects/
FEMALE/ GLUCAGON, pharmacodynamics/
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SEPARATION/ CELLS, CULTURED/
COMPLEMENT/ CYTOTOXICITY TESTS,
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pharmacodynamics/ KINETICS/ MALE/ MICE/
INBRED AKR, immunology/ MICE, INBRED C57BL/6J,
immunology/ SPLEEN, cytology/
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analysis/ HUMAN/ *HYBRID CELLS,
ultrastructure/ HYBRID CELLS, enzymology/
HYPOXANTHINE
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KARYOTYPING/ LEUKOCYTES, enzymology/
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 MUTATION/ MYCOBACTERIUM, metabolism/
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 metabolism/ OXIDATION-REDUCTION/
 PENICILLIN AMIDASE, metabolism/
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SYNTHETIC/ SILICONE ELASTOMERS/
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METHODS/ MICROCHEMISTRY/
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GALLBLADDER, drug effects/
*GASTROINTESTINAL HORMONES,
pharmacodynamics/ *GASTROINTESTINAL
MOTILITY, drug effects/ GUINEA PIGS/
HEXAMETHONIUM COMPOUNDS, metabolism/
HISTAMINE, pharmacodynamics/ HUMAN/ IN
VITRO/ INTESTINE, SMALL, drug effects/
IPROVERATRIL, pharmacodynamics/ MALE/
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SMOOTH, drug effects/ MYOMETRIUM, drug
effects/ NEURAL INTERCONNECTIONS/
NORLEUCINE, analogs & derivatives/
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PLATELETS, metabolism/ BLOOD PLATELETS,
abnormalities/ CALCIUM, metabolism/
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RETRACTION/ COLLAGEN/ DIAGNOSIS,
DIFFERENTIAL/ FIBRIN, biosynthesis/ GLASS/
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PRESCHOOL/ CRANIOPHARYNGIOMA,
diagnosis/ CRYPTORCHISM, diagnosis/
DWARFISM, diagnosis/ DWARFISM, PITUITARY,
diagnosis/ ENGLISH ABSTRACT/ HUMAN/
HYPOTHYROIDISM, diagnosis/ INFANT/
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metabolism/ ENDOTOXINS, pharmacodynamics/
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pharmacodynamics/ HYPERCALCEMIA,
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pharmacodynamics/ KIDNEY FAILURE,
CHRONIC, metabolism/ KIDNEY, metabolism/
LYMPHOCYTE TRANSFORMATION, drug
effects/ OSTEITIS DEFORMANS, metabolism/
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DISEASES, metabolism/ PHOSPHORUS,
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metabolism/ RATS/ VITAMIN A,
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secretion/ *PITUITARY GLAND, POSTERIOR,
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METHODS/ OVARIAN NEOPLASMS,
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metabolism/ *FATTY LIVER, complications/
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MONKEYS/ *PITUITARY GLAND/ *PITUITARY
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transplantation/ LIVER, pathology/ MALE/
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drug effects/ *HYDROXYLASES, metabolism/
HYPOTHALAMUS/ MALE/ ORGAN
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pharmacodynamics/ *PONS, physiology/
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STEREOTAXIC TECHNIQS/ *SUPERIOR
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DEAE-CELLULOSE/ CYTOSINE NUCLEOTIDES/
metabolism/ CYTOSOL, enzymology/
DIBUTYRYL CYCLIC AMP, metabolism/ DOSE-
RESPONSE RELATIONSHIP/ GUANOSINE CYCLIC
3':5' MONOPHOSPHATE, metabolism/
HYDROGEN-ION CONCENTRATION/ IN VITRO
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therapeutic use/ *BICARBONATES, adverse
effects/ BIRTH WEIGHT/ BLOOD PROTEINS/
BLOOD SUGAR/ *CALCIUM, metabolism/
CALCIUM, blood/ GESTATIONAL AGE/
*GROWTH DISORDERS, embryology/ HUMAN/
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HYPOCALCEMIA, etiology/ INFANT NUTRITION
DISORDERS, metabolism/ INFANT, NEWBORN/
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physiology/ INFERIOR COLLICULUS, physiology/
MALE/ MASTICATION/ *MORPHINE
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pharmacodynamics/ CELL MEMBRANE,
metabolism/ CELL MEMBRANE, drug effects/
DICYCLOHEXYLCARBODIIMIDE,
pharmacodynamics/ ENZYME ACTIVATION, drug
effects/ *ESCHERICHIA COLI, metabolism/
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LACTATES, metabolism/ *MAGNESIUM,
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pathology/ *LIPODYSTROPHY, diagnosis/
LIPODYSTROPHY, familial & genetic/ MALE/
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cytology/ *LAMPREYS/ MICROSCOPY,
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COMPARATIVE STUDY/ CONTRACEPTIVES,
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metabolism/ ELECTRON TRANSPORT/
HEMEPROTEINS, metabolism/ HYDROXYLASES,
metabolism/ KINETICS/ *LIVER CIRRHOSIS,
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INBRED C3H/ *NEOPLASMS, EXPERIMENTAL,
immunology/ NEOPLASMS, EXPERIMENTAL,
pathology/ POLYOMA VIRUS, immunology/
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GLAND NEOPLASMS, immunology/ SARCOMA,
immunology/ SARCOMA, OSTEOGENIC,
immunology/ SKIN NEOPLASMS, immunology/
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physiopathology/ INDOMETHACIN,
pharmacodynamics/ KIDNEY, metabolism/
KIDNEY, blood supply/ NOREPINEPHRINE,
physiology/ PROSTAGLANDIN SYNTHASE,
antagonists & inhibitors/ PROSTAGLANDINS A,
biosynthesis/ PROSTAGLANDINS F,
biosynthesis/ *PROSTAGLANDINS, physiology/
RADIOIMMUNOASSAY/ REGIONAL BLOOD
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DRYING/ INTESTINE, LARGE, analysis/
KIDNEY, analysis/ LIVER, analysis/ LIVER,
ultrastructure/ MALE/
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metabolism/ POLYCHLOROBIPHENYL
COMPOUNDS, urine/ POLYCHLOROBIPHENYL
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SPECTROPHOTOMETRY, INFRARED/
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FEMALE/ FOLLOW-UP STUDIES/ GEL
DIFFUSION TESTS/ GEL FILTRATION/
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CATTLE/ DIHYDROSTREPTOMYCIN,
therapeutic use/ FEMALE/ FLUPREDNISOLONE,
therapeutic use/ GLUCOSE, analysis/
INJECTIONS, INTRA-ARTERIAL/ MALE/
MEDROXYPROGESTERONE, administration &
dosage/ MEDROXYPROGESTERONE, therapeutic
use/ METHYLPREDNISOLONE, therapeutic use/
NEOMYCIN, therapeutic use/
*OSTEOARTHRITIS, veterinary/
OSTEOARTHRITIS, drug therapy/ PENICILLINS,
therapeutic use/ PREDNISOLONE, administration
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SCIRRHUS, pathology/ CELLULOSE,
therapeutic use/ FEMALE/ GASTRIC MUCOSA,
pathology/ GASTROINTESTINAL MOTILITY/
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pharmacodynamics/ MALE/ NITROGEN
MUSTARD COMPOUNDS, pharmacodynamics/
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therapeutic use/ ORGAN WEIGHT/ PROSTATE,
metabolism/ PROSTATE, drug effects/
PROSTATE, anatomy & histology/ *PROSTATIC
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ISOTOPES, DIAGNOSTIC/ IODINE, blood/ MALE/
PREGNANCY/ PROTEIN BINDING/ *THYROID
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drug effects/ DOGS/ HEART RATE, drug effects/
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HYDROGEN-ION CONCENTRATION/
ISOPROTERENOL, pharmacodynamics/
*MORPHINE, pharmacodynamics/ MORPHINE,
antagonists & inhibitors/ NOREPINEPHRINE,
pharmacodynamics/ OXYGEN, blood/
PHENOXYBENZAMINE, pharmacodynamics/
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BRAIN CHEMISTRY, drug effects/
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CYCLOHEXYLAMINES, pharmacodynamics/
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pharmacodynamics/ CELL DIFFERENTIATION,
drug effects/ CELL DIVISION, drug effects/
CELLS, CULTURED/ DIBUTYRYL CYCLIC AMP,
pharmacodynamics/ DNA, biosynthesis/
GLYCOGEN, metabolism/ *GUANOSINE CYCLIC
3',5' MONOPHOSPHATE, metabolism/
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physiology/ GUANOSINE CYCLIC 3',5'
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familial & genetic/ SCLERODERMA, SYSTEMIC
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HYPOTHALAMUS, anatomy & histology/ *LIGHT
MALE/ ORGAN WEIGHT/ PINEAL BODY,
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CATHETERIZATION/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ *DRINKING, drug
effects/ GLOBUS PALLIDUS, drug effects/
HYPOTHALAMUS, drug effects/
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NEOPLASMS, drug therapy/ FEMALE/
*FIBROMA, drug therapy/ HUMAN/ INTESTINAL
POLYPS, drug therapy/ NEOPLASMS, MULTIPLE
PRIMARY, drug therapy/ ODONTOGENIC
TUMOR, drug therapy/ OSTEOOMA, drug therapy/
PELVIC NEOPLASMS, drug therapy/
PHOSPHODIESTERASES, antagonists &
inhibitors/ SKIN NEOPLASMS, drug therapy/
SYNDROME/ *TESTOLACTONE, therapeutic use/
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diagnosis/ KARYOTYPING/ KLINEFELTER'S
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HYPOPHYSECTOMY/ IN VITRO/ LACTATES,
metabolism/ LEUCINE, metabolism/ *LIVER,
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DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/
SCHIZOID PERSONALITY, etiology/ *SEX
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complications/ SEX CHROMOSOME
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CONTRACTION/ MUSCLE CONTRACTION, drug
effects/ *MUSCLE, SMOOTH, transplantation/
MUSCLE, SMOOTH, physiology/ MUSCLE,
SMOOTH, drug effects/ OXYTOCIN,
pharmacodynamics/ PREGNANCY/ PREGNANCY,
ANIMAL/ PROGESTERONE, pharmacodynamics/
PUERPERIUM/ RABBITS/ RADIO/
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blood/ *FETAL GLOBULINS, metabolism/
FLUORESCENT ANTIBODY TECHNIC/ GEL
DIFFUSION TESTS/ HUMAN/ IMMUNE
SERUMS/ IODINE RADIOISOTOPES/ LIVER
NEOPLASMS, blood/ MALE/ MIDDLE AGE/
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immunology/ MICE, radiation effects/ PARASITE
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AUTHOR SECTION

STATES GOVERNMENT SUPPORTED, N.I.H./
UNITED STATES GOVERNMENT SUPPORTED,
NON-N.I.H./ VAGOTOMY/ ZOLLINGER-ELLISON
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LYMPHOCYTE DEPLETION/ MICE, INBRED
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immunology/ RADIATION CHIMERA/ *SERUM
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urine/ IODINE, urine/ RATS/ *THYROID GLAND,
metabolism/ THYROID GLAND, drug effects/
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AUTHOR SECTION

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AUTHOR SECTION

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WARFARIN

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KIDNEY, physiology

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SUICIDE, occurrence

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WEIGHT/ FEMALE/ FSH, metabolism/ HUMAN/
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HORMONES, blood/ *CIRCADIAN RHYTHM/
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metabolism/ CHLORAMPHENICOL, therapeutic
use/ DEPRESSION, complications/ HUMAN/
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therapy/ PARKINSONISM, drug therapy/ SHOCK
THERAPY, ELECTRIC

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NON-PRESCRIPTION/ ETHICS, MEDICAL/
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PREGNANCY, UNWANTED

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physiopathology/ BODY WEIGHT/ CHILD/
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FEMALE/ *GONADOTROPINS, PITUITARY,
secretion/ HUMAN/ LH-FSH RELEASING
HORMONE, secretion/ MENSTRUATION

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INTELLIGENCE TESTS/ *LINKAGE
(GENETICS)/ MALE/ *MENTAL RETARDATION,
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occurrence/ RETROSPECTIVE STUDIES/ *SEX
CHROMOSOMES

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blood/ GONADOTROPINS, PITUITARY,
secretion/ HUMAN/ LEYDIG CELLS, cytology/
MALE/ MIDDLE AGE/ SPERMATOGENESIS/
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histology/ *TESTOSTERONE, secretion/
TESTOSTERONE, blood

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FEMALE/ GENERAL PRACTICE/ HUMAN/
MEDICAL HISTORY TAKING/ *MYOCARDIAL
INFARCT, chemically induced/ VOLUNTARY
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WEIGHT/ CANADA/ CATTLE/ CHILD/
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DIPHENYLHYDANTOIN, therapeutic use/
HUMAN/ INFANT, NEWBORN/ NUTRITIONAL
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NEOPLASMS, EXPERIMENTAL/ *PROSTATIC
NEOPLASMS/ PROSTATIC NEOPLASMS,
prevention & control/ PROSTATIC NEOPLASMS,
etiology/ PROSTATIC NEOPLASMS,
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TRANSPLANTATION, HOMOLOGOUS

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dosage/ HUMAN/ *IRON, administration &
dosage/ NORETHINDRONE, administration &
dosage

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ABSORPTION/ OSTEOMALACIA, chemically
induced/ VITAMIN D, metabolism

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RENAL OSTEODYSTROPHY, drug therapy/
RICKETS, chemically induced/ RICKETS,
VITAMIN D RESISTANT, drug therapy/ VITAMIN
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dosage

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therapy/ ANOREXIA NERVOSA, diet therapy/
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CHLORPROMAZINE, therapeutic use/
CLOMIPHENE, therapeutic use/ FEMALE/
HOSPITALIZATION/ HUMAN/ NURSE-PATIENT
RELATIONS/ PHYSICIAN-PATIENT
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AUTHOR SECTION

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ATTITUDE OF HEALTH PERSONNEL/
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distribution/ DRUGS, NON-PRESCRIPTION/
ENGLAND/ FEMALE/ HUMAN

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AGED/ ENDOCRINE DISEASES, therapy/
GERIATRICS/ HOSPITAL UNITS/ *HOSPITALS,
PSYCHIATRIC/ HUMAN/ LONDON/ MIDDLE
AGE

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BETAMETHASONE, adverse effects/ *CRESOLS,
administration & dosage/ CRESOLS, therapeutic
use/ CRESOLS, adverse effects/ DRUG
COMBINATIONS/ DRUG EVALUATION/
ECZEMA, drug therapy/ *GLUCOCORTICOIDS,
TOPICAL, therapeutic use/ GLUCOCORTICOIDS,
TOPICAL, administration & dosage/
GLUCOCORTICOIDS, TOPICAL, adverse effects/
HUMAN/ NEOMYCIN, administration & dosage/
NEOMYCIN, therapeutic use/
NEURODERMATITIS, drug therapy/
OINTMENTS/ PARAKERATOSIS, drug therapy/
PSORIASIS, drug therapy/ *SKIN DISEASES, drug
therapy

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adverse effects/ *KIDNEY DISEASES,
complications/ *KIDNEY, transplantation/ MALE/
*NERVOUS SYSTEM DISEASES, etiology/
PREDNISOLONE, adverse effects/ SPINAL CORD
COMPRESSION, chemically induced/
TRANSPLANTATION, HOMOLOGOUS

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ESTROGENS, adverse effects/ FEMALE/
HUMAN/ *LIBIDO, drug effects/ NORGESTREL,
pharmacodynamics/ PREGNANCY/ *STERILITY,
FEMALE, chemically induced/
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THROMBOSIS, chemically induced

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use/ ANALGESICS AND ANTIPYRETICS/
ANESTHETICS, LOCAL, therapeutic use/
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INDOMETHACIN, therapeutic use/ MUSCLE
RELAXANTS, CENTRAL, therapeutic use/
OXYPHENBUTAZONE, therapeutic use/
PHENYLBUTAZONE, therapeutic use

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effects/ *GLUCOCORTICOIDS, TOPICAL,
therapeutic use/ GLUCOCORTICOIDS, TOPICAL,
adverse effects/ HUMAN/ *PREGNENEDIONES,
therapeutic use/ PREGNENEDIONES, adverse
effects/ *SKIN DISEASES, drug therapy/
STERIODS, CHLORINATED, therapeutic use/
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STERIODS, FLUORINATED, adverse effects

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use/ ALCOHOLISM, complications/ ANABOLIC
STERIODS, therapeutic use/ ANTINEOPLASTIC
AGENTS, adverse effects/ BLOOD PLATELETS/
BLOOD TRANSFUSION/ BONE MARROW
CELLS/ BONE MARROW DISEASES, etiology/

BONE MARROW DISEASES, therapy/ *BONE
MARROW DISEASES, chemically induced/
CHLORAMPHENICOL, adverse effects/ *DRUG
THERAPY, adverse effects/ GRANULOCYTES/
HUMAN/ TRANSPLANTATION, HOMOLOGOUS

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INFANT, NEWBORN/ LIVER, pathology/
MYOCARDIUM, pathology/ *PREGNANCY
COMPLICATIONS, INFECTIOUS, pathology/
PREGNANCY/ THYROID GLAND, pathology

4721. Neoplasias múltiples, Episodios de hipoglucemia y muerte en shock cardiogénico *Medicina (B Aires)* 35(2):180-93, Mar-Apr 75 (S)

ADENOCARCINOMA, pathology/ CARCINOMA,
TRANSITIONAL CELL, pathology/ CASE
REPORT/ COLONIC NEOPLASMS, pathology/
DIAGNOSIS, DIFFERENTIAL/ HUMAN/
*HYPOGLYCEMIA, pathology/
LYMPHOSARCOMA, pathology/ MALE/ MIDDLE
AGE/ NEOPLASM METASTASIS/ *NEOPLASMS,
MULTIPLE PRIMARY, pathology/ *SHOCK,
CARDIOGENIC, pathology/ THYROID
NEOPLASMS, pathology

Mich Med

4722. Letter: Thyroid carcinoma in children who underwent radiation. *Mich Med* 74(15):308, May 75

CHILD/ CHILD, PRESCHOOL/ FOLLOW-UP
STUDIES/ HUMAN/ INFANT/ INFANT,
NEWBORN/ *RADIOTHERAPY, adverse effects/
*THYROID NEOPLASMS, etiology/ THYROID
NEOPLASMS, diagnosis

N Engl J Med

4723. Letter: Simple test for hypercalciuria? *N Engl J Med* 292(21):1134-6, 22 May 75

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE
urine/ *CALCIUM, urine/ CALCIUM, metabolism/
HUMAN/ *HYPERPARATHYROIDISM, diagnosis/
INTESTINAL ABSORPTION/ KIDNEY
DISEASES, diagnosis/ PARATHYROID
HORMONE, physiology/ PARATHYROID
HORMONE, blood

4724. Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 31-11 *N Engl J Med* 293(6):292-7, 07 Aug 75

BIOPSY/ CASE REPORT/
CYCLOPHOSPHAMIDE, therapeutic use/
DIAGNOSIS, DIFFERENTIAL/ *GRANULOMA,
pathology/ GRANULOMA, diagnosis/ HUMAN/
*LUNG DISEASES, pathology/ LUNG DISEASES,
diagnosis/ *LUNG NEOPLASMS, pathology/ LUNG
NEOPLASMS, diagnosis/ LUNG, pathology/
*LYMPHOMA, pathology/ LYMPHOMA,
diagnosis/ MALE/ MIDDLE AGE/
PNEUMONECTOMY/ PREDNISONE, therapeutic
use/ WEGENER'S GRANULOMATOSIS, diagnosis/
WEGENER'S GRANULOMATOSIS, drug therapy

4725. Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 29-19 *N Engl J Med* 293(4):186-93, 24 Jul 75

AGED/ *CARCINOMA, pathology/ *CARCINOMA,
EPIDERMAL, pathology/ *CARCINOMA,
PAPILLARY, pathology/ CASE REPORT/
DIAGNOSIS, DIFFERENTIAL/ HUMAN/
LARYNGEAL NEOPLASMS, pathology/ LARYNGEAL
NEOPLASMS, pathology/ LUNG NEOPLASMS,
pathology/ LYMPHATIC METASTASIS/ MALE/
NECK NEOPLASMS, pathology/ NEOPLASM
METASTASIS/ NEOPLASM RECURRENCE,
LOCAL, pathology/ *THYROID NEOPLASMS,
pathology/ THYROID NEOPLASMS, diagnosis/
THYROID NEOPLASMS, surgery/
THYROIDECTOMY/ *TRACHEAL NEOPLASMS,
pathology

4726. Letter: Male-sex function in drug users. *N Engl J Med* 293(4):202-3, 24 Jul 75

ALCOHOLISM, physiopathology/ ANIMAL
EXPERIMENTS/ CANNABIS, adverse effects

AUTHOR SECTION

DIACETYLMORPHINE, administration & dosage/
 *DRUG ADDICTION, physiopathology/ DRUG
 ADDICTION, blood/ *GENITALIA, MALE,
 physiopathology/ HEROIN ADDICTION,
 physiopathology/ HUMAN/ MALE/ METHADONE,
 administration & dosage/ SPERMATOGENESIS,
 drug effects/ TESTOSTERONE, blood

Nutr Rev

4727. Iron and the regulation of erythropoiesis. Nutr Rev
 33(5):144-6, May 75 (11 ref.)
 *ANEMIA, etiology/ ANEMIA, drug therapy/
 ANIMAL EXPERIMENTS/ DEFICIENCY
 DISEASES, complications/ DEFICIENCY
 DISEASES, drug therapy/ DIPHOSPHOGLYCERIC
 ACIDS, physiology/ ERYTHROCYTES,
 physiology/ *ERYTHROPOIESIS/
 ERYTHROPOIETIN, physiology/ FEMALE/
 HEMOGLOBINS, metabolism/ HUMAN/ INFANT,
 NEWBORN/ *IRON, physiology/ IRON,
 pharmacodynamics/ LACTATION/ OXYGEN/
 PREGNANCY/ REVIEW

Pediatrics

4728. Participation in sports by girls. Pediatrics 55(4):563, Apr
 75
 FEMALE/ HUMAN/ PHYSICAL EDUCATION
 AND TRAINING/ PHYSICAL FITNESS/
 PUBERTY/ SAFETY/ *SPORT MEDICINE/
 SPORTS/ *WOMEN

Vet Rec

4729. Porcine reproductive inefficiency. Vet Rec 96(23):506-9,
 7 Jun 75
 ABORTION, VETERINARY, etiology/ ANIMAL
 EXPERIMENTS/ ANIMAL NUTRITION/ BIRTH
 WEIGHT/ BLASTOCYST/ ENDOMETRITIS,
 veterinary/ ESTRUS/ FEMALE/
 FERTILIZATION/ FETAL DEATH, veterinary/
 LITTER SIZE/ MALE/ OVARIAN CYSTS,
 veterinary/ PARITY/ PREGNANCY/
 PSEUDOPREGNANCY/ *REPRODUCTION/
 SALPINGITIS, veterinary/ *STERILITY,
 FEMALE, veterinary/ *SWINE DISEASES/
 SWINE DISEASES, etiology/ *SWINE, physiology/
 TIME FACTORS/ UTERINE CONTRACTION

West J Med

4730. Medical staff conference: hypophosphatemia.
 West J Med 122(6):482-9, Jun 75 (14 ref.)
 BLOOD PLATELETS, physiology/ BONE
 DISEASES, etiology/ CALCIUM, urine/ CALCIUM,
 metabolism/ ERYTHROCYTES, ABNORMAL,
 metabolism/ ERYTHROCYTES, ABNORMAL,
 physiology/ GLYCOLYSIS/ HUMAN/
 INTESTINAL ABSORPTION/ LEUKOCYTES,
 physiology/ LIVER DISEASES, etiology/
 MUSCULAR DISEASES, etiology/ NERVOUS
 SYSTEM DISEASES, etiology/ OXYGEN, blood/
 OXYHEMOGLOBIN/ *PHOSPHORUS, blood/
 PHOSPHORUS, urine/ REVIEW/ STOMACH,
 metabolism



SUBJECT INDEX

A

- A-23187: 477, 1772, 1842, 2470, 3804, 3966, 4007, 4582
- ABDOMEN: 94, 154, 1002, 1559, 2130, 2247, 2290, 2597, 2605, 2760, 2781, 3233
- ABDOMEN, ACUTE: 2605
- ABDOMINAL NEOPLASMS: 4418, 4513
- ABDOMINAL WALL: 1403, 1628, 4418, 4500
- ABETALIPOPROTEINEMIA: 1516
- ABNORMALITIES: 31, 163, 172, 196, 757, 1476, 1524, 2680, 3479, 3698, 4163, 4706
- ABNORMALITIES, DRUG-INDUCED: 507, 702, 775, 1170, 1264, 1452, 1566, 1757, 1771, 2370, 3209-3210, 3401, 3771, 4400
- ABNORMALITIES, MULTIPLE: 319, 628, 691, 838, 1105, 1403, 1483, 1518, 1628, 1666, 1826, 2042, 2413, 2426, 2471, 2582, 2913, 3227, 3276, 3346, 3487, 3771, 4247, 4265, 4391, 4475, 4500, 4662
- ABO FACTORS: 711, 2890, 3463
- ABOMASUM: 555, 1067, 2805, 3999
- ABORTIFACIENT AGENTS: 703, 1856, 3591
- ABORTION: 86, 454, 1427, 1481, 1524, 1601, 1726, 1798, 2082, 3036, 3232, 3267, 3311, 3399, 4017, 4706
- ABORTION, EUGENIC: 1776
- ABORTION, HABITUAL: 1969, 2348
- ABORTION, INDUCED: 42, 386, 492, 703, 825, 1024, 1225, 1409, 1462, 1481, 2071, 2683, 3311, 3332, 3351, 3381, 3407, 3591, 3939, 4058, 4131, 4507, 4526, 4536, 4621, 4641, 4681
- ABORTION, LEGAL: 4529
- ABORTION, SEPTIC: 4308
- ABORTION, THERAPEUTIC: 1351, 2029, 3381, 3746, 3811, 4024
- ABORTION, THREATENED: 1409, 1481, 1639, 4054, 4074, 4704
- ABORTION, VETERINARY: 1757, 3591, 4641, 4729
- ABREACTION: 1021
- ABSCCESS: 131, 1357, 1499, 1520, 2030, 4590
- ABSORPTION: 296, 1306, 1548, 2735, 3655, 3906, 4219, 4438, 4525
- ACANTHOSIS NIGRICANS: 3001
- ACCIDENT PREVENTION: 2531
- ACCIDENT PRONESS: 3786
- ACCIDENTS, TRAFFIC: 96, 2560
- ACCLIMATIZATION: 968, 1380, 2786, 3104
- ACETABULUM: 102, 1336, 4001
- ACETALS: 4718
- ACETAMIDES: 855, 1362, 1387, 2416, 3482, 4448, 4538
- ACETAMINOPHEN: 899, 945, 2881
- ACETATES: 79, 595, 684, 1513, 1530, 1589, 1758, 1849, 2205, 2389, 2632, 2879, 3388, 4216, 4528
- ACETAZOLAMIDE: 1416, 1737, 2534, 3032
- ACETIC ACIDS: 149, 1389, 1829, 1889, 3058, 3674, 3915
- ACETOACETATES: 2389
- ACETONE: 128, 334, 1853, 2241, 2509
- ACETONITRILES: 748, 752, 2475, 4504
- ACETYL COA ACETYLTRANSFERASE: 934
- ACETYL COA CARBOXYLASE: 1001, 3506
- ACETYL COENZYME A: 2389
- ACETYLATION: 873, 1176, 1530, 1589
- ACETYLCHOLINE: 166, 217, 294, 331, 342, 357, 431, 533, 684, 812, 940, 1040, 1050, 1156, 1288, 1325-1326, 1338, 1498, 1539, 1547, 1596, 1649, 1787, 1800, 1808, 1828, 2048, 2183, 2195, 2263, 2276, 2423, 2431, 2561, 2948, 3299, 3412, 3553, 3580, 3614, 3710-3711, 3936, 4062, 4273, 4497, 4555, 4603, 4670
- ACETYLCHOLINESTERASE: 201, 217, 1209
- ACETYLGALACTOSAMINE: 351
- ACETYLGLUCOSAMINE: 351, 3126
- ACETYLGLUCOSAMINIDASE: 1852
- ACETYLSEROTONIN METHYLTRANSFERASE: 620, 1227
- ACETYLTRANSFERASES: 522, 620, 934, 1589, 1939, 3504, 4287
- ACHILLES TENDON: 2508, 3446
- ACHONDROPLASIA: 460, 880, 974, 1161, 2111, 2137, 2230, 2330, 2433, 2469, 2473, 2506, 3102, 3456-3457, 3762, 3867, 3872-3873, 4300
- ACID-BASE EQUILIBRIUM: 57, 2341, 2946, 4260
- ACID PHOSPHATASE: 516, 773, 776, 882, 1021, 1622, 1852, 1855, 2112, 2171, 2653, 2812, 2823, 2988, 3319, 3384, 3463, 3495, 3597, 3669, 3985, 4362, 4403
- ACIDOSIS: 57, 266-267, 548, 1166, 1598, 4286, 4494, 4673
- ACIDOSIS, DIABETIC: 1949, 3096
- ACIDOSIS, RENAL TUBULAR: 1191, 2375
- ACIDOSIS, RESPIRATORY: 4260
- ACINETOBACTER: 2166
- ACNE: 302, 308, 3556
- ACOUSTIC STIMULATION: 541, 2745, 3596, 3678
- ACRIDINES: 2882, 3028, 3899
- ACROCEPHALOSYNDACTYLIA: 1826, 4247
- ACROMEGALY: 41, 261, 395, 467, 552, 718, 1093, 1199, 1477, 1611, 1739, 1971, 2186, 2897, 2984, 3192, 3639, 3826, 4077, 4710
- ACROSIN: 2894
- ACROSOME: 1231
- ACRYLAMIDES: 4120
- ACRYLATES: 3779, 3853, 3910
- ACRYLIC RESINS: 49
- ACTINOMYCETES: 1520
- ACTINOMYCIN: 4172
- ACTION POTENTIALS: 342, 431, 469, 514, 805, 944, 1054, 1299, 1311, 1399, 2311, 2317, 2350, 2359, 2467, 2934, 3299, 3430, 3515, 3614, 3836, 4112, 4242, 4423, 4581
- ACTIVATION ANALYSIS: 2878
- ACTIVITY CYCLES: 979, 1096
- ACTOMYOSIN: 1350, 3675
- ACUPUNCTURE: 2663
- ACUTE DISEASE: 57, 452, 523, 735, 976, 1182, 1370, 1411, 1470, 1500, 1545, 1559, 1598, 1746-1747, 1907, 2069, 2090, 2271, 2290, 2439, 2588, 2830, 2914, 3073, 3118, 3181, 3187, 3693, 3821, 4139, 4157, 4293, 4383, 4445, 4452, 4595, 4660, 4720
- ACYLTRANSFERASES: 519, 1794, 4207, 4494
- ADAPTATION, BIOLOGICAL: 3559
- ADAPTATION, OCULAR: 47
- ADAPTATION, PHYSIOLOGICAL: 100, 252, 585, 943, 1178, 1659, 2521, 2829, 3326, 3536, 3648, 3959, 4494
- ADAPTATION, PSYCHOLOGICAL: 2845, 4698
- ADDISON'S DISEASE: 552, 726, 938, 1598, 1907, 2509, 2828, 4087
- ADENINE: 743, 1059, 2120, 2267, 2514, 4647
- ADENINE NUCLEOTIDES: 1711, 2485, 2806, 3118, 3386, 3416, 3483, 3597, 3907, 3987, 4064
- ADENINE PHOSPHORIBOSYLTRANSFERASE: 2054, 3154
- ADENOCARCINOMA: 127, 200, 233, 428, 473, 505, 517, 544, 659, 831, 842, 856, 1084, 1312, 1535, 1661, 1700, 1843, 1847, 1930, 2034, 2140, 2213, 2258, 2265, 2554, 2596, 2933, 3128, 3258, 3261, 3315, 3349, 3467, 3473, 3748, 4141-4142, 4326, 4348, 4424, 4590, 4674, 4689, 4721
- ADENOCARCINOMA, PAPILLARY: 517, 1428, 2258
- ADENOFIBROMA: 258, 1274, 1425
- ADENOLYMPHOMA: 1930
- ADENOMA: 70, 194, 392, 412, 515, 784, 965, 971, 1084, 1348, 1433, 1437, 1490, 1527, 1603, 1647, 1717, 1723, 1785, 1941, 2032, 2157-2158, 2258, 2343, 2490, 2617, 2673, 2703, 2754, 2847, 3169, 3192, 3294, 3389, 3448, 3518, 3619, 3622, 3650-3651, 3721, 4136, 4141-4142, 4251, 4283, 4445, 4501
- ADENOMA, BASOPHILIC: 3191
- ADENOMA, CHROMOPHOBE: 41, 467, 780, 1558, 2032, 2248, 4484, 4642
- ADENOMA, EOSINOPHILIC: 41, 2032
- ADENOMA, VIRILIZING: 552
- ADENOMATOSIS, FAMILIAL ENDOCRINE: 2660, 3450, 4056
- ADENOSINE: 46, 166, 380, 442, 710, 743, 2136, 2476, 2489, 2639, 2772, 3205, 3627, 3674, 3712, 3720, 3987, 4181, 4544, 4610
- ADENOSINE CYCLIC 3',5' MONOPHOSPHATE: 6-7, 13, 57, 69, 83, 85, 112, 123, 146, 153, 157, 166, 199, 218, 264, 266-267, 275, 285, 315, 322, 335, 357-358, 361, 380-382, 390, 404, 408, 419, 431, 443-445, 458, 462, 465, 511, 522, 569, 578-579, 595, 606, 614, 627, 656, 680, 684, 710, 743, 770, 790, 796, 807, 818, 847, 884, 899, 930, 947, 973, 975, 981, 994, 1058, 1062, 1100, 1123, 1125, 1159, 1179, 1203, 1210, 1218-1219, 1233, 1254, 1259, 1267, 1324, 1335, 1338-1339, 1431, 1460, 1498, 1512, 1531, 1536, 1571-1573, 1582, 1587-1588, 1590, 1597, 1616-1617, 1621, 1649, 1673-1674, 1686-1687, 1708, 1721, 1725, 1727, 1792, 1802, 1807-1808, 1822-1824, 1833, 1845, 1849, 1869, 1872-1873, 1899, 1904, 1914, 1955, 1977, 1979, 2047, 2062, 2078, 2083, 2100-2101, 2105, 2120, 2128, 2136, 2150, 2167, 2175, 2198-2199, 2260, 2267, 2269, 2298, 2308-2309, 2311, 2324-2325, 2329, 2333, 2336, 2346, 2356, 2363, 2470, 2479, 2514, 2517, 2552, 2556, 2612, 2619, 2627, 2634, 2639, 2641, 2645, 2648, 2652, 2658, 2666, 2681, 2719, 2721, 2734, 2811, 2824, 2834-2835, 2872, 2907, 2913, 2924, 2930, 2936, 2940, 2963, 2990, 3066, 3074, 3089, 3094, 3115, 3118, 3121, 3137-3138, 3157-3158, 3166, 3174, 3189, 3205, 3211, 3231, 3251, 3263-3264, 3274, 3307, 3316, 3320, 3341, 3351, 3358, 3360, 3363, 3373, 3388, 3395, 3422, 3443, 3459, 3493-3494, 3507-3508, 3513, 3516, 3543-3544, 3560, 3570, 3580, 3588, 3602, 3608, 3610, 3627, 3662, 3671, 3673, 3687-3688, 3710, 3712, 3720, 3729, 3770, 3776-3779, 3795, 3804, 3828, 3844, 3848, 3883, 3886, 3907, 3909, 3932, 3986-3987, 4016, 4037, 4043, 4066, 4080, 4084-4086, 4156, 4165, 4172, 4179, 4181, 4188, 4215, 4236, 4239, 4259, 4274, 4286, 4345, 4359-4360, 4407, 4409, 4418-4419, 4442, 4449, 4458, 4467, 4471-4472, 4486, 4497-4498, 4502, 4535, 4542, 4574, 4594, 4597, 4603, 4618-4619, 4638, 4647, 4664, 4670, 4682, 4723
- ADENOSINE DEAMINASE: 465, 3720
- ADENOSINE DIPHOSPHATE: 275, 301, 375, 380, 455, 730, 1567, 1711, 1784, 1852, 1924, 2333, 2661, 2746, 2993, 3057, 3986, 4316, 4395, 4497, 4532, 4545
- ADENOSINE MONOPHOSPHATE: 275, 380, 710, 743, 847, 1197, 2409, 2420, 3570, 3986, 4497
- ADENOSINE TRIPHOSPHATE: 314, 543, 1075, 1085, 1128, 1139, 1178, 1211, 1665, 1784-1785, 2097, 2105, 2198, 2250, 2267, 2532, 2550, 2625, 2653, 2706, 2900, 2947, 3057, 3137, 3184, 3284, 3319, 3365, 3385, 3573, 3675, 3722, 3892, 4264, 4412, 4457
- ADENOSINE TRIPHOSPHATE: 133, 146, 264, 275, 380, 382, 390, 394, 543, 633, 675, 930, 1100, 1295, 1350, 1415, 1528, 1597, 1599, 1625, 1784, 1822, 1852, 1983, 2175, 2195, 2198, 2333, 2440, 2485, 2786, 2886-2887, 2924, 2940, 3234-3235, 3396, 3505, 3508, 3513, 3573, 3691, 3778, 3798, 3894, 3907, 3986, 4207, 4215, 4259, 4274, 4316, 4345, 4497, 4647
- S-ADENOSYLHOMOCYSTEINE: 2488, 3654
- S-ADENOSYLMETHIONINE DECARBOXYLASE: 3040, 3560
- S-ADENOSYLMETHIONINE: 180, 442, 1777, 2154, 2489, 3560, 3572, 3654, 3674
- ADENOVIRUS INFECTIONS: 555
- ADENOVIRUSES: 555
- ADENYL CYCLASE: 6, 45, 69, 83, 178, 210, 266-267, 298-299, 335, 408, 413, 444, 482, 510-511, 569, 578, 627, 818, 846, 904, 932, 980, 1089, 1100, 1220, 1233, 1267, 1324, 1459, 1548, 1572, 1588, 1615, 1617, 1822-1824, 1898, 1904, 1927, 1966, 1987-1988, 2083, 2093, 2136, 2143, 2175-2176, 2298, 2324-2325, 2329, 2333, 2409, 2420, 2423, 2443-2445, 2484-2486, 2552, 2636, 2648, 2705-2706, 2807-2808, 2940, 2993, 3029, 3074, 3158, 3228, 3251, 3351, 3363, 3385, 3416, 3422, 3483, 3515, 3543, 3600, 3687, 3703, 3722, 3729, 3776, 3804, 3894, 3932, 3987, 4007, 4084-4085, 4098, 4147, 4214-4215, 4229, 4355, 4407, 4471, 4486, 4520, 4618
- ADHESIONS: 119, 734
- ADHESIVENESS: 763
- ADIPOSE TISSUE: 89, 204, 210, 274, 298, 465, 569, 585, 634, 636, 796, 800, 820, 846, 891, 914, 927, 1176, 1254, 1406, 1492, 1588, 1659, 1822-1824, 1845, 1927, 2199, 2227-2228, 2346, 2384, 2420, 2435, 2497, 2502, 2529, 2540, 2575, 2612, 2744, 2807, 2833, 3050, 3388, 3401, 3422-3423, 3480, 3483, 3506, 3529, 3587, 3604, 3647, 3689, 3720, 3953, 4037, 4084, 4171, 4340, 4378, 4469, 4493, 4559
- ADJUVANTS, IMMUNOLOGIC: 2455, 3557, 3854
- ADMINISTRATION, INTRANASAL: 3937, 4233

SUBJECT INDEX

ADMINISTRATION, ORAL: 159, 237, 258, 411, 492, 499, 735, 1163, 1435, 1452, 1462, 1757, 1813, 1881, 1923, 2050, 2162, 2571, 2660, 2897, 2988, 2992, 3281, 3301, 3453, 3461, 3528, 3541, 3575, 3794, 3943, 4138, 4146, 4225, 4470, 4481, 4553, 4602, 4635, 4666

ADMINISTRATION, TOPICAL: 119, 228, 308, 524, 528, 896, 1080, 1819, 1940, 2087, 2310, 3303, 3446, 3912, 4577

ADNEXA UTERI: 2264, 2523

ADNEXAL DISEASES: 3569

ADNEXITIS: 1559, 2531

ADOLESCENCE: 4, 9, 31, 33, 48, 84, 88, 93, 101-102, 140, 150, 160, 163, 168, 172, 200, 229, 263, 280, 302, 308, 312, 319-320, 323, 333, 336, 343, 369, 371, 383, 401, 406, 448, 452-453, 455, 460, 497, 503, 523-524, 542, 552, 591, 613, 616-617, 644, 690, 695, 699, 713, 734, 757-758, 765-766, 773, 777, 785-788, 791, 837, 859, 874-875, 881, 937-938, 965, 992, 1003, 1015, 1024, 1035, 1047, 1049, 1051, 1093, 1101-1103, 1105-1106, 1114, 1136, 1140, 1157, 1177, 1192, 1215, 1232, 1234, 1239, 1248, 1269, 1271, 1283, 1293, 1297-1298, 1330, 1351-1352, 1354, 1371-1372, 1374, 1395, 1401, 1410-1413, 1423, 1434, 1437, 1441, 1458, 1481, 1483, 1496, 1503, 1508-1510, 1518, 1541, 1576, 1579, 1612, 1626, 1636, 1649, 1653-1654, 1666, 1689, 1692, 1698, 1723, 1752, 1756, 1760, 1796, 1825, 1878, 1902, 1907, 1933, 1950, 1954, 1963, 2002, 2004, 2020, 2025, 2029, 2032, 2036, 2043, 2049, 2063, 2067-2068, 2071-2072, 2075, 2082, 2095, 2107, 2130, 2134, 2149, 2165, 2180, 2213, 2222, 2224, 2231, 2239, 2248, 2259, 2270, 2275, 2280, 2284, 2299-2300, 2319, 2330, 2336, 2355, 2365, 2373, 2383, 2385, 2395, 2402, 2415, 2439, 2457, 2462, 2469, 2471, 2496, 2504-2506, 2508, 2521, 2545, 2549, 2560, 2565, 2580, 2595, 2597-2598, 2610-2611, 2626, 2628, 2637, 2656-2657, 2669, 2673, 2711, 2713, 2716, 2738, 2752, 2760, 2767, 2769, 2788, 2828, 2852, 2857, 2907, 2913, 2916, 2927, 2944, 2948, 2959, 2965, 2978, 2984, 3043, 3049, 3052, 3069, 3102, 3122, 3133-3135, 3150, 3160, 3163, 3182, 3186, 3196, 3212, 3236, 3241, 3254, 3281, 3283, 3303, 3309-3312, 3322, 3338, 3346, 3359, 3362, 3371, 3383, 3399, 3407, 3433, 3438, 3440-3441, 3449, 3460, 3466, 3475, 3479, 3509, 3519-3520, 3531, 3547, 3550, 3556, 3565, 3576, 3579, 3586, 3618, 3622, 3624, 3632, 3646, 3668, 3690, 3713, 3730, 3733, 3755, 3760, 3763, 3769, 3786, 3810, 3812, 3827, 3829-3830, 3837, 3862-3863, 3868, 3872, 3886, 3889, 3937, 3945, 3957, 3963, 3969, 3979, 3991, 3993, 3998, 4039, 4046, 4056, 4058, 4065, 4072, 4076, 4096, 4106-4107, 4109-4110, 4118-4119, 4136, 4149, 4154, 4158, 4183, 4189, 4192, 4233, 4246, 4262-4263, 4271-4272, 4289, 4292, 4304, 4307, 4315, 4324, 4357, 4371-4372, 4384, 4404, 4415, 4424, 4429, 4435, 4458, 4495, 4514, 4546, 4548, 4561, 4567, 4583-4584, 4600, 4604, 4607, 4621, 4625, 4644, 4658, 4660, 4684, 4694

ADRENAL CORTEX: 64, 73, 163, 178, 268, 347, 352, 420, 632, 709, 759, 943, 1244, 1314, 1341, 1434, 1460, 1515, 1528, 1624, 1637, 1669, 1698, 1817, 1942, 1957, 1970, 2114, 2130, 2192, 2218, 2256, 2291, 2321, 2590, 2620, 2699, 2737, 2760, 2765, 2803-2804, 2939, 3003, 3031, 3117, 3169, 3384, 3544, 3734, 3814, 3982, 4002, 4053, 4124, 4194, 4200, 4253, 4321, 4387, 4456, 4524

ADRENAL CORTEX DISEASES: 16, 3245, 4192

ADRENAL CORTEX FUNCTION TESTS: 466, 634, 1401, 1957, 2218, 2521, 2624, 2829, 3191, 3614, 4090

ADRENAL CORTEX HORMONES: 2, 54, 152, 167, 206, 240, 244, 308, 318, 352, 409, 435, 441, 582, 610-611, 622, 655, 734, 782, 791, 830, 923, 937, 943, 956-957, 961, 1007, 1081, 1103, 1140, 1143, 1169, 1189, 1195, 1230, 1239, 1261, 1353, 1369, 1419, 1458, 1487, 1525, 1544, 1550, 1570, 1595, 1737, 1746-1747, 1827, 1909, 1921, 1976, 2058, 2145-2146, 2152, 2164, 2211, 2276, 2278, 2352, 2377, 2403, 2465, 2511, 2527, 2572, 2607, 2609, 2655, 2659, 2714, 2761, 2777, 2858, 2868, 2922, 2938, 3010, 3016, 3042, 3078, 3200, 3303, 3308, 3420, 3442, 3481, 3544, 3631-3632, 3649, 3657, 3669, 3693, 3775, 3791, 3801, 3821, 3850, 3869, 3900, 3902, 3922, 3934, 3958, 4002, 4049, 4053, 4092, 4139, 4184, 4168-4169, 4231, 4312, 4327-4328, 4366, 4443, 4456, 4459, 4483, 4494,

4519, 4530, 4536, 4541, 4579, 4595, 4598, 4640, 4675, 4681, 4717, 4719

ADRENAL CORTEX NEOPLASMS: 3518, 4136

ADRENAL CORTICAL REST TUMOR: 1244

ADRENAL GLAND DISEASES: 16, 343, 554, 647, 804, 3051, 3437, 3665, 3945, 3988

ADRENAL GLAND HYPERFUNCTION: 280, 690, 2001, 2624, 3308, 3827, 4257

ADRENAL GLAND HYPOFUNCTION: 1449, 1840, 1907, 2606, 3661, 3749, 4092, 4368, 4576, 4661

ADRENAL GLAND NEOPLASMS: 151, 156, 262, 268, 392, 433, 496, 515, 552, 567, 653, 659, 965, 1276, 1420, 1723, 1944, 2160, 2343, 2440, 3070, 3245, 3472, 3582, 3623-3624, 4078, 4087, 4136, 4152, 4249, 4257, 4387, 4513, 4567

ADRENAL GLANDS: 2, 55, 64, 69, 73, 108, 148-149, 198, 201, 205-206, 238, 240, 268, 347-348, 363, 385, 409-410, 417-418, 462, 470, 506, 546, 554-555, 559, 597-598, 605, 632, 647, 675, 709, 732, 759, 871, 873, 877, 891, 927, 933, 948, 951, 958, 1004, 1007, 1040, 1070, 1096, 1109, 1151, 1169, 1214, 1219, 1235, 1244, 1257, 1314, 1334, 1345, 1362, 1420, 1430, 1434, 1448-1449, 1460, 1471, 1478, 1532, 1544, 1637, 1669, 1698, 1723, 1742, 1744, 1771, 1777, 1799, 1909, 1917, 1937, 1942, 1957, 1960, 1966, 1970, 1985, 2014, 2024, 2047, 2059-2060, 2114, 2159, 2183, 2190, 2212, 2218, 2250, 2256, 2278, 2285, 2291, 2316, 2321, 2331, 2377, 2413, 2422, 2450, 2487, 2509, 2521, 2540, 2552, 2572, 2609, 2620, 2680, 2710, 2736-2737, 2745, 2760, 2765, 2794, 2803-2804, 2829, 2865-2866, 2873, 2876, 2906, 2930, 2945, 2958, 2973, 2981, 3010, 3017, 3019, 3022, 3031, 3067, 3082, 3108, 3115, 3117, 3202, 3220, 3319, 3361, 3384, 3464, 3523, 3526, 3544, 3558, 3620, 3624, 3661, 3734, 3791, 3814, 3822, 3841, 3843, 3845, 3850, 3884, 3900, 3903-3904, 3958, 3962, 3980, 3982, 4002, 4016, 4024, 4087, 4124, 4126, 4137, 4147, 4152, 4212, 4218, 4253, 4263, 4296, 4387, 4413, 4426, 4432, 4456, 4504, 4506, 4541, 4558, 4561, 4606, 4615, 4617, 4649, 4661, 4669

ADRENAL MEDULLA: 218, 288, 442, 457, 607, 632, 844, 926, 1165, 1364, 1460, 1539-1540, 1616-1617, 1667, 1686-1687, 1970, 2229, 2321, 2900, 2945, 2958, 3093-3094, 3234, 3313, 3913, 3921, 4180, 4321, 4387, 4434

ADRENALECTOMY: 69, 213, 240, 422, 427, 506, 515, 553, 705, 834, 1042, 1073, 1119, 1178, 1184, 1313, 1440, 1474, 1532, 1723, 1799, 1923, 1934, 2159, 2203, 2237, 2263, 2450, 2552, 2653, 2710, 2865-2866, 2876, 2930, 2945, 2958, 3202, 3384, 3472, 3490, 3759, 3822, 3845, 3884, 3904, 3958, 4092, 4165, 4253, 4257, 4353, 4441, 4606, 4676

ADRENERGIC ALPHA RECEPTOR AGONISTS: 535, 684, 4670

ADRENERGIC ALPHA RECEPTOR BLOCKADERS: 23, 294, 535, 2665, 2906, 3325, 3904, 4279

ADRENERGIC BETA RECEPTOR AGONISTS: 684, 1687, 1872, 3029, 3033, 3804, 4670

ADRENERGIC BETA RECEPTOR BLOCKADERS: 23, 484, 508, 522, 1100, 1613, 1828, 2279, 2354, 2665, 2962, 3029, 3094, 3118, 3222, 3391, 3736, 3904, 4188-4189, 4670, 4703

ADRENERGIC RECEPTOR AGONISTS: 2665

ADRENOCROME: 3367, 3525

ADRENOGENITAL SYNDROME: 552, 946, 2605, 2610-2611, 3078, 3080, 4065, 4401

ADRIAMYCIN: 2686, 2740, 3735, 4374

ADSORPTION: 2509

ADULT: 1, 4, 12, 14, 16, 31, 33, 35-36, 39, 41, 48, 55, 62, 70, 72, 77, 84, 86, 88, 96, 102, 106, 110, 118, 127, 132, 134, 140, 150, 154, 156, 158, 160, 163, 170, 172, 191, 200, 216, 226, 229, 238, 256, 261-262, 265, 280, 284, 288-289, 295-296, 302, 304-305, 308, 313, 319-320, 328, 333, 336, 340-341, 343, 365, 369, 383-384, 392, 401, 406, 412, 415, 428, 430, 434, 437, 447, 453, 455, 460, 464, 466, 473-474, 476, 479, 495, 497, 502-503, 506, 517, 526-527, 534, 542, 544, 548, 552, 566-567, 568, 591, 600, 604, 617, 622, 634-635, 638, 643, 646-647, 655, 657, 659-660, 683, 699, 709, 711-712, 718, 720-723, 731, 734-735, 744, 748, 755-758, 762, 765-766, 773, 780-781, 785-788, 791, 797, 800, 804, 812, 827, 835, 837,

859, 861-863, 868, 874, 892, 907, 925, 931, 937-938, 957, 961, 965-966, 971, 989, 991-992, 995-998, 1003, 1011, 1015, 1024, 1027, 1034-1035, 1047, 1062, 1073, 1082, 1084, 1093-1094, 1105, 1117, 1136, 1139-1140, 1146, 1155, 1157, 1177, 1187, 1189, 1191-1192, 1215, 1223, 1230, 1232, 1234, 1237, 1239, 1247, 1261, 1271, 1276, 1279, 1284, 1296-1299, 1307, 1317, 1321, 1330, 1342-1343, 1345, 1351, 1354, 1357-1358, 1367, 1375, 1397, 1401, 1403, 1405, 1410-1414, 1418, 1420, 1423, 1427, 1433-1434, 1437, 1443, 1458, 1461, 1468, 1477-1478, 1480-1481, 1483, 1487, 1490, 1500, 1502-1504, 1509-1510, 1518, 1522, 1527, 1541, 1543, 1545, 1576-1579, 1586, 1606, 1611, 1628, 1649, 1660, 1678-1680, 1689-1690, 1692, 1696-1698, 1704, 1712, 1717, 1723, 1725, 1736, 1739, 1746, 1752, 1758, 1760, 1773, 1778, 1785, 1790-1791, 1796, 1802, 1808, 1840, 1847, 1868, 1878, 1885, 1898, 1893, 1901-1903, 1913-1914, 1933, 1941, 1943, 1948, 1950-1951, 1954, 1957, 1963, 1975-1976, 1978, 2002, 2004, 2020, 2024-2025, 2029, 2032, 2041, 2049, 2053, 2058, 2063-2064, 2067-2068, 2070-2072, 2075-2076, 2082, 2090-2091, 2106-2107, 2130, 2133-2134, 2138-2139, 2146, 2149, 2152, 2164-2165, 2178, 2180-2181, 2192-2193, 2210, 2212, 2215-2216, 2218, 2222-2223, 2231, 2235, 2243-2245, 2248, 2259, 2268, 2270-2273, 2275, 2277, 2280, 2284, 2290-2292, 2300, 2302, 2312, 2319, 2330, 2336, 2341, 2371, 2373, 2375, 2385, 2395, 2404-2405, 2413, 2415, 2417-2418, 2429, 2440, 2443, 2457, 2462-2463, 2469, 2471, 2483, 2494, 2496, 2504, 2506, 2508, 2521, 2525, 2528, 2544-2545, 2555, 2559-2560, 2565, 2569, 2573, 2588, 2595-2598, 2606, 2610-2611, 2626, 2628-2629, 2631, 2650-2651, 2656, 2660-2661, 2665, 2669-2672, 2683, 2689, 2692, 2697, 2707, 2713, 2722, 2728, 2736, 2749, 2752, 2754, 2757, 2760, 2767, 2770, 2781, 2788, 2796, 2798, 2814-2815, 2818, 2826, 2828, 2843, 2845-2846, 2851-2852, 2857-2858, 2875, 2881, 2888, 2891, 2908, 2910, 2927, 2941, 2944, 2951-2952, 2957, 2966, 2971, 2978, 2982, 2984, 2986, 3001, 3025-3028, 3030, 3043, 3048-3049, 3052, 3055, 3063, 3073, 3075-3076, 3078, 3085, 3087, 3096, 3101-3102, 3114, 3116, 3125, 3128, 3131, 3133-3135, 3160, 3163, 3171, 3175, 3182, 3187-3188, 3196, 3201, 3212, 3217, 3236, 3239, 3243, 3248-3249, 3253-3254, 3256, 3259, 3261, 3270, 3281, 3283, 3290, 3292, 3311-3312, 3322, 3332, 3338-3339, 3342, 3347, 3349, 3362, 3376, 3383, 3389, 3391, 3394, 3398, 3406-3407, 3417-3418, 3433, 3436, 3438, 3440-3441, 3444, 3446, 3448-3449, 3451, 3455, 3466-3467, 3473, 3475, 3479, 3484, 3487, 3499, 3518, 3520, 3524, 3531, 3538, 3545, 3547, 3550, 3554, 3556, 3575-3576, 3579, 3581, 3586, 3589, 3612-3613, 3622-3624, 3626, 3635, 3639-3640, 3646, 3650, 3656, 3684, 3688, 3707-3708, 3715, 3721, 3725, 3735-3736, 3739, 3747, 3749, 3751-3753, 3758, 3760, 3763-3765, 3769, 3774, 3784, 3799-3800, 3810, 3812, 3814, 3817, 3824, 3827, 3829, 3833, 3837, 3846, 3853, 3863-3864, 3868, 3870, 3874-3875, 3886, 3889, 3891, 3898, 3911, 3916, 3929, 3944-3946, 3955, 3957, 3961, 3964, 3969, 3979, 3981, 3984, 3991-3992, 4003, 4015, 4025, 4027, 4031, 4036, 4039, 4041, 4046, 4049, 4052, 4056, 4058, 4065, 4072, 4074, 4076-4077, 4087, 4096, 4106-4107, 4109, 4115, 4118, 4136, 4139, 4141, 4150, 4153, 4173, 4176, 4183, 4189, 4192, 4194, 4217-4218, 4232, 4237, 4240, 4245-4246, 4249, 4257-4258, 4262, 4278, 4283, 4289-4290, 4299, 4308, 4313, 4324, 4342, 4350, 4356-4357, 4362, 4365, 4372, 4376-4378, 4384, 4387, 4402, 4404, 4406, 4408, 4418, 4422, 4424, 4435, 4450, 4458, 4472, 4476, 4478, 4481, 4485, 4492, 4495, 4517, 4525, 4546, 4550, 4561, 4563, 4565, 4567, 4573, 4579, 4583-4584, 4604, 4607, 4609, 4611, 4621, 4623, 4625, 4633, 4635, 4643, 4658-4660, 4672, 4674, 4676, 4701, 4711, 4720

AEQUORIN: 2317-2318

AEROBACTER AEROGENES: 1869

AEROSOLS: 293, 420, 468, 650, 765, 1240, 1676, 2063, 3090, 3160, 3183, 3937, 4149, 4324

AET: 4394

AFFECT: 3412

AFFECTIVE DISTURBANCES: 178, 341, 1386, 1503, 1913, 2916, 3786, 4058

AFFERENT LOOP SYNDROME: 3645

SUBJECT INDEX

- AFATOXINS: 499, 739, 3745
 AGAMMAGLOBULINEMIA: 4450
 AGAR: 707
 AGE DETERMINATION BY SKELETON:
 323, 906, 1509, 1636, 1658, 1825, 2365, 2512,
 3196, 3690, 4514
 AGE DETERMINATION BY TEETH: 639
 AGE FACTORS: 3-4, 40, 70, 162-163, 201, 229,
 233, 263, 269, 320, 339, 369, 401, 403, 412, 472,
 518, 533, 544, 560, 590, 634, 657, 662, 694, 730,
 734, 738, 762, 773, 783, 786, 798, 832, 841, 916,
 955-956, 1051, 1055-1056, 1074, 1090, 1106,
 1109, 1117, 1126, 1149, 1157, 1177, 1183, 1190,
 1192, 1229, 1239, 1241, 1258, 1340, 1345, 1357,
 1377, 1433, 1448, 1457, 1473, 1496, 1503, 1553,
 1561, 1578, 1634, 1653, 1667, 1670, 1679,
 1689-1690, 1705, 1749, 1756, 1774, 1779, 1797,
 1831, 1878-1879, 1891, 1913, 1980, 1982, 2040,
 2049, 2133, 2146, 2165, 2192-2193, 2210, 2218,
 2224, 2231, 2245, 2275, 2278, 2283, 2285, 2355,
 2359, 2499, 2503, 2580, 2589, 2603, 2605,
 2611-2612, 2626, 2683, 2735, 2745, 2748, 2752,
 2765, 2774, 2815, 2831, 2852, 2855, 2860, 2891,
 2907, 2909, 2923, 2938, 2946, 2979, 2989, 3012,
 3048, 3055, 3093, 3110-3111, 3114, 3175, 3186,
 3197, 3201, 3218, 3253, 3257, 3259, 3310, 3345,
 3355, 3359, 3362, 3413-3414, 3425, 3436, 3441,
 3519, 3553, 3556, 3564, 3596, 3619, 3621, 3632,
 3646, 3656, 3715, 3753, 3786-3787, 3800, 3839,
 3857, 3862-3863, 3908, 3920, 3926, 3928, 3945,
 3984, 3991-3992, 4031, 4140, 4158, 4187, 4198,
 4292, 4303, 4315, 4324, 4326, 4367, 4372, 4384,
 4391, 4405, 4415-4416, 4429, 4454, 4475, 4492,
 4506, 4546, 4556, 4576, 4584-4586, 4606, 4644,
 4674, 4709
 AGED: 4, 33, 37, 40, 55, 60, 84, 106, 110, 122,
 132, 175, 211, 229, 261-262, 268-269, 289, 295,
 306, 319, 328, 372, 401, 412, 415, 428, 434, 447,
 473, 479, 502, 526, 542, 566, 572, 591, 593, 611,
 634-635, 646, 659-660, 683, 694, 699, 723, 744,
 755-756, 762, 765, 773, 788, 810, 830, 835, 837,
 842, 868, 875, 892, 915, 925, 937, 955, 966, 989,
 997-998, 1015, 1051, 1078-1079, 1093-1094,
 1112, 1117-1118, 1140, 1146, 1157, 1189, 1204,
 1215, 1239, 1296-1297, 1312-1313, 1345, 1354,
 1376, 1397, 1410-1411, 1423, 1433, 1443, 1466,
 1502, 1504, 1509-1510, 1518, 1541, 1543, 1565,
 1576, 1579, 1611, 1628, 1679, 1690, 1692, 1698,
 1756, 1766, 1773, 1790, 1796, 1862, 1868, 1892,
 1907, 1913, 1915, 1930, 1941, 1947, 1950, 1954,
 1968, 2002-2003, 2041, 2063, 2075, 2091, 2130,
 2133, 2146-2147, 2149, 2161, 2177-2180, 2184,
 2187, 2192-2193, 2210, 2215, 2218, 2245,
 2283-2284, 2295, 2300, 2302-2303, 2341, 2415,
 2418, 2440, 2457, 2475, 2494, 2496, 2544,
 2554-2555, 2560, 2588-2589, 2595, 2598, 2600,
 2656, 2660, 2670, 2672, 2678, 2713, 2738, 2749,
 2752, 2760, 2770, 2815, 2828, 2843, 2857, 2859,
 2891, 2927, 2944, 2978, 2982, 2984-2985, 2989,
 3012, 3048, 3060, 3063, 3073, 3088, 3114, 3135,
 3163, 3191, 3249, 3253, 3261, 3315, 3342, 3349,
 3382-3383, 3391, 3440-3441, 3446, 3448-3451,
 3467, 3499, 3514, 3518, 3520, 3524, 3531, 3538,
 3550, 3575, 3612, 3622, 3656, 3682, 3721, 3725,
 3753, 3758, 3763, 3785, 3799, 3814, 3824, 3827,
 3829, 3833, 3837, 3863, 3945, 3969, 3991, 4019,
 4031, 4052, 4056, 4077, 4106, 4173, 4183, 4189,
 4192, 4217, 4225, 4237, 4278, 4324, 4346, 4348,
 4368, 4378, 4444-4445, 4476, 4478, 4483, 4489,
 4501, 4517, 4565, 4573, 4577, 4583-4586, 4590,
 4605, 4607, 4624, 4635, 4642, 4650, 4660, 4686,
 4709, 4713, 4725
 AGGLUTINATION: 3238, 3835, 4542, 4632
 AGGLUTINATION TESTS: 131, 645, 1371,
 3796, 4542
 AGGLUTININS: 168, 4438
 AGGRESSION: 125, 470-471, 869, 919, 967,
 1126, 1183, 1193, 1269, 1359, 1733, 2022, 2126,
 2916, 2996, 3179, 3412, 3620, 4363
 AGING: 40, 165, 176, 355, 426, 714, 1004, 1095,
 1668, 2198, 2211, 2391, 2406, 2859, 3050, 3130,
 3189, 3427, 3531, 3788, 3797, 3907, 4148, 4197,
 4224, 4298, 4373, 4413, 4425, 4502, 4686
 AGONISTIC BEHAVIOR: 919, 1688, 3805
 AGRICULTURE: 1255
 AIR: 623
 AIR POLLUTANTS, OCCUPATIONAL: 3193
 AIR POLLUTION: 3286, 4689
 AIR POLLUTION, RADIOACTIVE: 1724
 AIRWAY OBSTRUCTION: 1894
 AIRWAY RESISTANCE: 1487, 3160, 3485,
 3937
 ALANINE: 185, 1125, 1246, 1905, 3936, 4165,
 4421
 ALANINE AMINOTRANSFERASE: 97, 2169,
 2417, 3120, 3863
 ALBUMINS: 38, 754, 1545, 2939, 4011
 ALBUTEROL: 462, 578, 1872, 2012, 3485
 ALCOHOL DRINKING: 1167
 ALCOHOL, ETHYL: 457, 584, 807, 1338, 1811,
 1952, 1973, 2190, 2354, 2538, 3173, 4121, 4277
 ALCOHOL, METHYL: 750, 3485, 4390
 ALCOHOL OXIDOREDUCTASES: 1001, 2045,
 2085, 2339, 3088, 3184, 3671, 4358, 4597
 ALCOHOL, PROPYL: 1539
 ALCOHOLISM: 1236, 1520, 1746-1747, 1947,
 1949, 2190, 2538, 4168, 4719, 4726
 ALCOHOLS: 1486
 ALCOHOLS, AMYL: 1539
 ALCOHOLS, BUTYL: 8, 836, 1539
 ALCOHOLS, HEXYL: 1539
 ALCOHOLS, OCTYL: 1896
 ALCURONIUM: 2043
 ALDEHYDE OXIDOREDUCTASES: 1912
 ALDEHYDES: 3068, 4105
 ALDOLASE: 97, 2533, 2644
 ALDOSTERONE: 2, 27, 206, 270, 379, 598, 601,
 852, 857, 873, 885, 935, 1012, 1070, 1131, 1178,
 1334, 1515, 1530, 1613, 1847, 1893, 1934, 2004,
 2016, 2106, 2162, 2377, 2387, 2395, 2405, 2425,
 2480, 2534, 2590, 2624, 2689, 2786, 2794, 2859,
 2876, 2994, 3031, 3052, 3055, 3076, 3108, 3163,
 3223, 3262, 3290, 3293, 3295, 3490, 3626, 3652,
 3694, 3759, 3784, 3812, 3902, 3970, 4067, 4075,
 4226, 4472, 4476, 4478, 4481, 4557-4558
 ALDRICH SYNDROME: 3783, 4450
 ALKALIES: 2375
 ALKALINE PHOSPHATASE: 350, 480, 646,
 659, 672, 678, 776, 836, 897, 989, 1049, 1053,
 1299, 1375, 1407, 1447, 1582, 1645, 1738, 1772,
 1855, 1877, 1992, 2156, 2171, 2332, 2401, 2433,
 2503, 2653, 2726, 2749, 2812, 2823, 2885, 3099,
 3238, 3319, 3365, 3378, 3393, 3500, 3513, 3649,
 3668, 3723, 3869, 3985, 4102, 4158, 4167, 4198,
 4437, 4518
 ALKALOIDS: 15, 363, 2127, 4134
 ALKALOSIS: 237, 2375, 4286
 ALKALOSIS, RESPIRATORY: 548, 1132
 ALKANES: 1019, 3910, 4370
 ALKENES: 3260
 ALKYL SULFONATES: 1896
 ALKYLATING AGENTS: 116, 985, 2243, 3682
 ALKYLATION: 461
 ALLANTOIN: 302
 ALLANTOIS: 2240
 ALLELES: 687, 864, 1053, 2054, 2885, 2923,
 3564, 4204, 4229, 4505
 ALLIGATORS AND CROCODILES: 2126
 ALLOPURINOL: 1912, 2637, 4208
 ALLOSTERIC REGULATION: 7, 1364, 2173,
 2638, 3535, 3543, 4156
 ALLOXAN: 1282, 4101
 ALLOXAN DIABETES: 732, 994, 1282, 1735,
 1871, 2930, 3822, 4301
 ALLYL COMPOUNDS: 3058
 ALLYLISOPROPYLACETAMIDE: 2642
 ALOPECIA: 825, 2741, 3943, 4122
 ALOPECIA AREATA: 2164
 ALPHA FETOPROTEINS: 200, 4297
 ALPHA GLOBULINS: 186, 864, 1835, 4144,
 4397, 4424
 ALPRENOLOL: 45, 2484, 3913
 ALTERNARIA: 3745
 ALTHESIN: 526, 998, 1414, 2043, 2547, 2760,
 3085, 3165, 3440, 3964, 4484
 ALTITUDE: 4190, 4286, 4296
 ALUMINUM: 1908, 4523, 4614
 ALVEOLAR PROCESS: 2510, 3107, 4234
 AMANITINS: 486, 2526
 AMANTADINE: 816, 2187, 2864
 AMARANTH: 2370
 AMAUROTIC FAMILIAL IDIOCY: 1516
 AMBULATORY CARE: 1275, 2938, 3735
 AMEBICIDES: 67
 AMENORRHEA: 31, 87-88, 279, 284, 304, 340,
 415, 638, 861, 991, 1035, 1187, 1293, 1327,
 1524, 1527, 1594, 1712, 1778, 1889, 1971, 1998,
 2049, 2134, 2185, 2210, 2231, 2525, 2531, 2651,
 2870, 2959, 2965, 3198, 3212, 3550, 3613,
 3650-3651, 3747, 3765, 3809, 4109, 4401, 4404,
 4415, 4458, 4529, 4563, 4620, 4633
 AMERICAN MEDICAL ASSOCIATION: 1781
 AMERICIUM: 3742
 AMIDES: 826, 3883
 AMIDINES: 1362
 AMIDINOTRANSFERASES: 2089
 AMILORIDE: 531, 857, 910, 1339, 1595, 4217
 AMINE OXIDOREDUCTASES: 1294
 AMINES: 34, 822, 1364, 1538, 1574, 1955, 2103,
 2172, 2304, 2380, 2782, 2868, 2955, 3064, 3109,
 3143, 3485, 3856, 4251, 4273, 4453
 AMINO ACID ACTIVATION: 637, 3369
 AMINO ACID METABOLISM, INBORN
 ERRORS: 2602
 AMINO ACID NAPHTHYLAMIDASES: 1378
 D-AMINO ACID OXIDASE: 3495
 AMINO ACID OXIDOREDUCTASES: 1989
 AMINO ACID SEQUENCE: 337, 344, 510, 693,
 746, 908, 1426, 1515, 1646, 1816, 1972, 2157,
 2464, 2557, 3083, 3288, 3423, 3644, 3741, 3897,
 4275, 4540
 AMINO ACIDS: 38, 105, 139, 181, 344, 390, 449,
 480, 510, 570, 693, 711, 918, 1158, 1246, 1425,
 1485, 1589, 1646, 1695, 1705, 1767, 1816, 1905,
 1972, 2157, 2191, 2196, 2208-2209, 2225, 2380,
 2464, 2486, 2579, 2603, 2643, 2712, 2722, 2882,
 2998, 3083, 3114, 3143, 3260, 3288, 3459, 3508,
 3511, 3577, 3741, 3897, 3936, 4009, 4033, 4091,
 4165, 4274-4275, 4449, 4540, 4589
 AMINO ACIDS, ESSENTIAL: 2459
 AMINO ACYL tRNA SYNTHETASES: 257,
 3488
 AMINOACIDURIA, RENAL: 1191, 1705, 2582
 AMINOBUTYRIC ACIDS: 1338, 2208, 2813
 AMINOCAPROIC ACIDS: 5
 AMINOGLUTETHIMIDE: 497, 1214, 2699,
 4017
 AMINOGLYCOSIDES: 1211
 AMINOHIPPURIC ACID: 733, 1416, 2109,
 2604, 2966, 4094
 AMINOHYDROLASES: 3463
 AMINOISOBUTYRIC ACID: 1844, 2191, 2314,
 3844, 4165
 AMINOLEVULINIC ACID SYNTHETASE:
 2642
 AMINOPEPTIDASES: 2176, 2726, 2977, 3098
 AMINOPHYLLINE: 1487, 2090, 2167, 2298,
 2641, 2685, 3094, 3178, 3341, 4043, 4664
 AMINOPROPIONITRILE: 2127
 AMINOPYRINE: 1028
 AMINOPYRINE N-DEMETHYLASE: 4268
 AMINOSALICYLIC ACID: 2538
 AMINOTRANSFERASES: 434, 1001, 1375,
 1735, 1899, 2201, 2533, 3864, 4158, 4238, 4494
 AMITRIPTYLINE: 340, 3527-3528, 3534
 AMMONIA: 57, 852, 1829, 3663, 4208, 4494
 AMMONIUM CHLORIDE: 237, 266, 684, 4286
 AMMONIUM COMPOUNDS: 174, 477, 684,
 2262, 2881, 3515
 AMMONIUM SULFATE: 275, 684, 977, 1294,
 1973, 3673, 3677, 3980, 4091
 AMNESIA: 2428, 4576
 AMNIOCENTESIS: 1, 1224-1225, 1462,
 1775-1776, 2348, 3381, 4669
 AMNION: 365, 1857, 3381, 3811, 3852
 AMNIOGRAPHY: 2799
 AMNIOTIC FLUID: 640, 711, 905, 925, 1224,
 1427, 1455, 1926, 1972, 2015, 2708, 2880, 3905,
 4009, 4270, 4297, 4621, 4669
 AMOBARBITAL: 4101
 AMOEBA: 710
 AMPHETAMINE: 481, 487, 596, 652, 735, 1263,
 1361, 1482, 2187, 2924, 3173, 3884
 AMPHIBIA: 584, 1036, 4295
 AMPHOTERICIN B: 1146, 1381
 AMPICILLIN: 1896, 1923, 4209
 AMPUTATION: 2522
 AMYGDALOID BODY: 95-96, 108, 196, 314,
 453, 1126, 1142, 1208, 1503, 1755, 1838, 2022,
 2098, 2115, 2126, 2141, 2168, 2239, 2275, 2335,
 2715, 2759, 2816, 2877, 2895, 3047, 3155, 3298,
 3362, 3615, 3641, 3862, 4213, 4363
 AMYLASE: 578-579, 1758, 2665, 3316, 3630,
 4127
 AMYLOID: 4150
 AMYLOIDOSIS: 378, 1843, 3208, 3520, 3967
 ANABOLIC STEROIDS: 1223, 1756, 1760,
 2587, 2765, 3874, 4711, 4719
 ANAEROBIOSIS: 224, 2685, 3740, 4570
 ANALGESIA: 1820, 3781

SUBJECT INDEX

- ANALGESICS, ADDICTIVE: 3434
ANALGESICS AND ANTIPIRETTICS: 8, 941, 1764, 2453, 3420, 3781, 4219, 4552, 4668, 4717
ANALYSIS OF VARIANCE: 55, 186, 399, 683, 933, 3379, 3863
ANAPHYLAXIS: 732, 872, 1642
ANATOMY: 1850, 2202
ANDROGENS: 31, 48, 438, 471, 965, 1061, 1095, 1312, 1383, 1395, 1522, 1602, 1626, 1634, 1981, 2211, 2403, 2465, 2644, 2704, 2718, 2967, 3015, 3114, 3377, 3427, 3695, 3789, 4030, 4265, 4319, 4330, 4393, 4441, 4698
ANDROSTADIENES: 356
ANDROSTANEDIOL: 1194, 1634, 1892, 2274, 3015, 4024
ANDROSTANES: 282, 362, 670, 1194, 1332, 1390, 1531, 1795, 1892, 2023, 2274, 2319, 3240, 3458, 4330, 4453, 4580
ANDROSTENEDIOLS: 965, 1359, 3088
ANDROSTENEDIONE: 184, 320, 471, 1332, 1359, 1478, 1522, 1715, 1740, 1795, 2193, 2391, 2463, 2476, 2632, 2709, 2978-2979, 3088, 3148-3149, 3240, 3467, 4006, 4024, 4042, 4122, 4338
ANDROSTENES: 89, 356, 599, 674, 2323, 2662, 3081, 3571
ANDROSTENOLS: 135, 1383, 3081
ANDROSTERONE: 212, 236, 1332, 1795, 1892, 2210-2211, 2323, 3240, 3632, 3797, 4024, 4042, 4122, 4614
ANEMIA: 107, 208, 448, 523, 713, 789, 1043, 1150, 1618, 2859, 3175, 4267, 4576, 4727
ANEMIA, APLASTIC: 1756, 2582, 3035, 4065
ANEMIA, HEMOLYTIC: 208, 711, 1161, 2416, 4041, 4432
ANEMIA, HEMOLYTIC, ACQUIRED: 126, 1043
ANEMIA, HEMOLYTIC, AUTOIMMUNE: 4041
ANEMIA, HYPOCHROMIC: 130, 208, 669, 1043, 1256, 1618, 4267, 4306
ANEMIA, MEGALOBlastic: 825, 1618, 3842
ANEMIA, PERNICIOUS: 175, 4267, 4346, 4440
ANEMIA, SICKLE CELL: 48, 1793, 4267
ANENCEPHALUS: 4065, 4270
ANESTHESIA: 930, 1894, 3440, 4353, 4356, 4464
ANESTHESIA, CONDUCTION: 8
ANESTHESIA, EPIDURAL: 527, 667
ANESTHESIA, GENERAL: 1014, 2043, 2109, 2328, 2442, 2447, 3383, 3717, 4108, 4587
ANESTHESIA, INHALATION: 177, 286, 1539-1540, 2004, 2802, 3223, 3576, 3626, 4464
ANESTHESIA, INTRATRACHEAL: 2800
ANESTHESIA, INTRAVENOUS: 779, 1414, 2760, 3085, 3223, 4464
ANESTHESIA, LOCAL: 3612, 4058
ANESTHESIA, OBSTETRICAL: 8, 667
ANESTHESIA, SPINAL: 2004
ANESTHETICS: 779, 998, 1539, 1638, 2039, 2802, 3223, 3383, 3451
ANESTHETICS, LOCAL: 8, 698, 1683, 2706, 4668, 4717
ANESTRUS: 620, 1149, 2351, 4507
ANEUPLOIDY: 454, 695, 1114, 1279, 2959, 3949, 4029, 4563
ANEURYSM: 1318, 2331, 2544, 3275, 3455, 4590
ANGINA PECTORIS: 508, 2075, 3794
ANGIOCARDIOGRAPHY: 3293
ANGIOGRAPHY: 647, 758, 866, 931, 1094, 1420, 1546, 2140, 2343, 2869, 3305, 3724, 3830, 4001, 4052, 4087, 4288, 4573, 4695
ANGIOMATOSIS: 3437, 4251, 4391
ANGIONEUTROTIC EDEMA: 3016
ANGIOSARCOMA: 293
ANGIOTENSIN: 4, 177, 245, 270, 283, 294, 337, 601-602, 852, 977-978, 1005, 1112, 1278, 1515, 1613, 1641-1642, 2109, 2241, 2405, 3033, 3163, 3185, 3222, 3262, 3601, 3611, 3625, 3731, 3812, 4052, 4067, 4083, 4132, 4331, 4476
ANGIOTENSIN II: 23, 179, 270, 283, 890, 935-936, 1012, 1147, 1180, 1334, 1515, 2590, 2604, 2794, 2874, 2906, 2921, 3020-3021, 3023, 3031, 3163, 3221-3222, 3625, 3825, 4052, 4083, 4331, 4417, 4476, 4581, 4703
ANGIOTENSINOGEN: 1515, 2241, 3163, 3601, 3731
ANHYDRIDES: 3058
ANILINE COMPOUNDS: 983, 1555, 2416, 2456, 4124, 4268
ANILINE HYDROXYLASE: 2337-2338
ANILINO NAPHTHALENESULFONATES: 230
ANIMAL COMMUNICATION: 3871
ANIMAL DISEASES: 739, 1605, 2127
ANIMAL FEED: 116, 207, 499, 520, 570, 970, 1029, 1310, 1346, 1394, 1738, 1789, 1829, 1996, 2099, 2459, 2676, 2679, 2723, 2774, 2833, 2879, 2883, 3287, 3478, 3727, 3803, 4185, 4523, 4560
ANIMAL NUTRITION: 207, 481, 577, 851, 927, 1292, 1714, 1829, 1980, 2196, 2833, 2878, 2883, 3286-3287, 3931, 4082, 4088, 4185, 4248, 4523, 4729
ANIMALS, DOMESTIC: 1605
ANIMALS, LABORATORY: 18, 49, 3280, 4302, 4602
ANIMALS, NEWBORN: 78, 162, 201, 249, 303, 347, 438, 662, 664-666, 841, 883, 1055-1056, 1071, 1090, 1095, 1109, 1183, 1241, 1344, 1394, 1471, 1659, 1831, 1905, 1931, 1980, 2158, 2198, 2276, 2278, 2309, 2359, 2410, 2519, 2562, 2564, 2571, 2623, 2710, 2735, 2745, 2790, 2850, 2860, 3093, 3145, 3257, 3274, 3304, 3400, 3411, 3503, 3512, 3594, 3596, 3695, 3801, 3839, 3857, 3860, 3920, 3931, 4030, 4071, 4129, 4197-4198, 4303, 4454, 4512, 4519
ANIONS: 548, 926
ANISOLE: 1215
ANKLE JOINT: 2614
ANODONTIA: 766, 1160
ANOPHELES: 4191
ANOPHTHALMOS: 1227
ANOREXIA NERVOSA: 829, 1401, 1441, 2107, 2300, 2965, 3809, 4458, 4680, 4684, 4694
ANOSMIA: 4173
ANOVULATION: 1938, 2931
ANOXEMIA: 2026
ANOXIA: 1013, 1471, 1952, 2237, 2539, 2893, 2949, 3200, 4012, 4190
ANTACIDS: 2538, 3301, 3630
ANTERIOR CHAMBER: 3028, 3059
ANTHELMINTICS: 700
ANTHRALIN: 2655
ANTHRANILIC ACIDS: 4204
ANTHRAQUINONES: 1934
ANTHROPOIDS: 4699
ANTHROPOMETRY: 695, 1796, 2224, 2991, 3048, 3898, 4271
ANTI-ANTIBODIES: 1716, 2621, 3239, 3813
ANTIBIOTICS: 152, 168, 298, 308, 328, 381, 826, 957, 1239-1240, 1385, 1449, 1480, 1577, 1704, 1772, 1842, 1947, 2040, 2470, 3002, 3373-3374, 3505, 3689, 3693, 3966, 4293, 4343, 4459, 4483, 4528, 4546, 4663, 4668
ANTIBIOTICS, ANTINEOPLASTIC: 3682
ANTIBODIES: 5, 44, 199, 284, 305, 372, 537, 645, 787, 1319, 1501, 1627, 1636, 1716, 1726, 1805, 1970, 2064, 2204, 2217, 2528, 2644, 2677, 2871, 2882, 2929, 3020, 3052, 3359, 3438, 3649, 3722, 3741, 3835, 3885, 4083, 4326, 4365, 4613, 4632, 4708
ANTIBODIES, BACTERIAL: 161, 3796
ANTIBODIES, FUNGAL: 168
ANTIBODIES, HETEROTYPIC: 373, 3593, 4438
ANTIBODIES, NEOPLASM: 3829
ANTIBODIES, VIRAL: 142, 1614, 3187, 3557
ANTIBODY DEFICIENCY SYNDROME: 3628
ANTIBODY FORMATION: 139, 161, 290, 662, 677, 909, 957, 1081, 1200, 1319, 1352, 1482, 1614, 1685, 1782, 1835, 2100-2101, 2400, 2564, 2842, 2933, 3020, 3263-3264, 3661, 3813, 3835, 3903, 4046, 4427, 4438, 4466, 4632, 4708
ANTIBODY PRODUCING CELLS: 305, 608, 2101, 2104, 2400, 2564, 3263-3264, 4239, 4467
ANTIBODY SPECIFICITY: 118, 678, 1642, 1835, 2972, 3148, 3156, 3239, 3438, 3835, 3950, 4016, 4389, 4465
ANTICHOLESTEREMIC AGENTS: 60, 124, 878
ANTICOAGULANTS: 828, 1906, 2746, 3602, 4225
ANTICONSULSANTS: 541, 729, 1562, 2491, 2566, 3376, 3433, 3484, 3539, 3688, 3713, 3864, 4552, 4692
ANTIDEPRESSIVE AGENTS: 178, 342, 475, 545, 2038, 3331, 3390, 4576
ANTIDEPRESSIVE AGENTS, TRICYCLIC: 2093, 2640, 3527-3528, 3534, 3539
ANTIARRHEALS: 294
ANTIFUNGAL AGENTS: 1819, 2675, 2875, 3750
ANTIGEN-ANTIBODY COMPLEX: 373, 2056, 2064, 2204, 2292, 3156, 3588, 4068
ANTIGEN-ANTIBODY REACTIONS: 121, 284, 373, 885, 952, 975, 1020, 1181, 1231, 1447, 1641-1642, 1662, 1680, 2170, 2204, 2677, 2842, 2933, 3289, 3321, 3506, 3659, 4180, 4183
ANTIGENIC DETERMINANTS: 1319, 1662, 1835, 2768, 3219, 3321, 3741, 4232
ANTIGENS: 263, 646, 768, 952, 1020, 1154, 1319, 1413, 1477, 1992, 2101, 2322, 2374, 2470, 2768, 2984, 3122, 3264, 3817, 3835, 4183, 4238, 4594, 4632, 4708
ANTIGENS, BACTERIAL: 845, 899, 1762, 3796, 3903, 4466
ANTIGENS, FUNGAL: 2933, 3667
ANTIGENS, HETEROGENETIC: 3595
ANTIGENS, NEOPLASM: 645, 1041, 1461, 3219, 3557, 4424
ANTIGENS, VIRAL: 1316, 1614, 2622, 2933, 3289
ANTIHISTAMINICS: 219, 364, 872, 1217, 1529, 1910, 2204, 2252, 2917, 2948, 3016, 3173, 3301, 3613, 4552, 4707
ANTIHYPERTENSIVE AGENTS: 508, 601, 789, 1613, 1642, 1651, 1737, 3538, 3611, 4067, 4668
ANTI-INFECTIVE AGENTS: 3934
ANTI-INFECTIVE AGENTS, LOCAL: 2821, 3750
ANTI-INFLAMMATORY AGENTS: 149, 170, 435, 782, 1022, 1260, 1449, 1560, 2124, 2414, 2453, 2677, 3084, 3154, 3200, 4365
ANTI-INFLAMMATORY AGENTS, TOPICAL: 353, 1940, 3044
ANTILIPEMIC AGENTS: 2303
ANTILYMPHOCYTE SERUM: 165-166, 370, 373, 2352, 2400, 2482, 2541, 3595, 3631, 3813, 3845, 4232, 4389, 4438, 4628
ANTIMALARIALS: 126, 782, 1143, 1449, 3729
ANTIMETABOLITES: 116, 375, 1494, 2267, 2487, 3385, 3609, 3682, 3691, 3743, 3770
ANTIMYCIN A: 368, 3056, 3966, 4097
ANTINEOPLASTIC AGENTS: 116, 807, 810, 957, 964, 1110, 1143, 1197, 1692, 1748, 1801, 2091, 2189, 2559, 2598, 2677, 2686, 2740, 3217, 3261, 3302, 3315, 3428, 3605, 3682, 3758, 4374, 4384, 4517, 4660, 4719
ANTINUCLEAR FACTORS: 168, 1439, 1921, 1990, 2217, 3649, 3684
ANTIOXIDANTS: 1028
ANTISEPSIS: 694
ANTISOCIAL PERSONALITY: 1251
ANTITHROMBIN: 144-145, 1479, 1752, 3122
ANURIA: 1278, 3684
ANUS: 2040
ANUS, IMPERFORATE: 3771
ANXIETY: 1386, 1731, 2511, 2852, 4576
AORTA: 58, 69, 229, 876, 1676, 2283, 2308, 3288, 3363, 3531, 3820, 3825, 4092, 4544, 4554
AORTA, ABDOMINAL: 3825, 4575
AORTA, THORACIC: 66, 427, 436, 631, 2860, 3825, 4485
AORTIC ANEURYSM: 2331, 4249
AORTIC COARCTATION: 2549, 3259
AORTIC DISEASES: 436
AORTIC VALVE: 1014, 3868, 4485
AORTIC VALVE INSUFFICIENCY: 3868, 4485
AORTIC VALVE STENOSIS: 2025, 2549, 3475
AORTOGRAPHY: 647, 2331, 3027
APATITES: 2368
APAZONE: 3154
APGAR SCORE: 667
APHAGIA: 3846
APHASIA: 735, 3003
APHERODISACS: 2098
APNEA: 3085
APOENZYMES: 1989
APOMORPHINE: 581, 1192, 1369, 1572, 2648, 4407, 4482, 4487
APOPROTEINS: 2245, 3642
APPENDICITIS: 1559
APPENDIX: 896, 3352
APPETITE: 2998, 3173, 3846
APPETITE DEPRESSANTS: 3173, 3609
APPETITE DISORDERS: 371, 1470, 1578,

SUBJECT INDEX

3173
 APPETITE REGULATION: 673, 1578, 3173
 APPETITIVE BEHAVIOR: 2954
 APTITUDE: 1496, 1997
 AQUEOUS HUMOR: 353, 2310, 2975
 ARACHIDONIC ACIDS: 202, 315, 353, 595, 870, 890-891, 941, 1668, 2661, 3443, 3815, 3887, 4160, 4203, 4543-4545
 ARACHNODACTYL: 838
 ARECOLINE: 1382
 ARGINASE: 2099, 3605
 ARGININE: 323, 401, 570, 656, 859, 918, 922, 1199, 1477, 1495, 1816, 1905, 1987, 2089, 2163, 2698, 2977, 3957, 4231
 ARGININE VASOPRESSIN: 66
 ARGON: 4164
 ARM: 2280, 4001, 4154, 4280
 ARNOLD-CHIARI DEFORMITY: 2697
 AROCLOS: 1021, 1555
 AROUSAL: 1340
 ARRENOBLASTOMA: 4245
 ARRYTHMIA: 123, 1783, 1949, 2794, 3794
 ARRYTHMIA, SINUS: 3794
 ARSENIC: 750-751
 ARTERIAL OCCLUSIVE DISEASES: 1118, 4001, 4087
 ARTERIES: 66, 123, 940-941, 1010, 1502, 3200, 3429, 3816, 3971, 4001, 4051, 4177
 ARTERIOSCLEROSIS: 876, 1118, 1367, 1438, 1464, 1737, 2460, 2602, 2859, 2889, 3200, 3814
 ARTERIOVENOUS FISTULA: 1051, 2331, 2544, 2600, 4573
 ARTERIOVENOUS MALFORMATIONS: 1051, 2331, 2862, 4001, 4573
 ARTERIOVENOUS SHUNT, SURGICAL: 2220
 ARTERITIS: 4015, 4668
 ARTHRITIS: 955, 1336, 1876, 2212, 2455, 3701, 3954, 4598
 ARTHRITIS, INFECTIOUS: 2249
 ARTHRITIS, JUVENILE RHEUMATOID: 734, 1848
 ARTHRITIS, RHEUMATOID: 152, 165, 170, 186, 449, 782, 1189, 1439, 1449, 1946, 1990, 2144-2146, 2527, 2663, 3051, 3640, 3701, 3717, 3772, 3824, 3943, 4443, 4459, 4489, 4530, 4565
 ARTERIOBACTER: 3910
 ARTERIOPLASTY: 1336, 1779, 3462, 4530
 ARTERIOPODS: 979
 ARTIFICIAL LIMBS: 2220
 ARTIODACTYLA: 1909, 3908
 ARYL HYDROCARBON HYDROXYLASES: 1542
 ARYLSULFATASES: 2139
 ASBESTOS: 2112, 3193
 ASCARIS: 700
 ASCITES: 122, 756, 1979, 2171, 2408
 ASCITIC FLUID: 146, 678, 920, 1979, 2400
 ASCOMYCETES: 3671
 ASCORBIC ACID: 198, 316, 385, 593, 933, 1169, 1275, 1882, 2422, 2682, 2917, 3220, 3255, 3464, 3972, 4552
 ASCORBIC ACID DEFICIENCY: 933, 1204, 2603, 2633, 3464, 4033, 4552
 ASPARAGINASE: 1248, 1801, 3135, 4660
 ASPARAGINE: 2486, 4165
 ASPARTATE AMINOTRANSFERASE: 30, 97, 1738, 2344, 2417, 2919, 3120, 3598, 3662, 3863, 4208
 ASPARTATE CARBAMOYLTRANSFERASE: 3248
 ASPARTIC ACID: 366, 1515, 1989, 2208, 3936
 ASPERGILLOSIS: 1499
 ASPERGILLUS: 739
 ASPERGILLUS FLAVUS: 739
 ASPHYXIA: 232, 3181, 3489
 ASPHYXIA NEONATORUM: 1654, 2135, 4260
 ASPIRIN: 26, 335, 542, 643, 688, 806, 941, 945, 1280, 1439, 1852, 2333, 2354, 2527, 2589, 2677, 2806, 2936, 3016, 3190, 3354, 3443, 3468, 3554, 4269, 4544
 ASSOCIATION LEARNING: 2311
 ASTHMA: 420, 466, 660, 945, 1487, 1649, 1827, 2090, 2114, 2336, 3160, 3171, 3317, 3371, 3554, 3930, 3939, 4149, 4324, 4443, 4459
 ASTROCYTOMA: 332, 743, 1437, 1809, 2068, 2457, 2862, 3069, 3448, 3829, 4237, 4486
 ATAXIA: 1451, 1654
 ATAXIA TELANGIECTASIA: 4450
 ATHEROMA: 876

ATHEROSCLEROSIS: 825, 1438, 2544
 ATHETOSIS: 1654, 3362
 ATHLETIC INJURIES: 4717
 ATHLETICS: 2610
 ATMOSPHERE EXPOSURE CHAMBERS: 1770
 ATMOSPHERIC PRESSURE: 1770
 ATOMIC WARFARE: 1724
 ATP CITRATE LYASE: 203
 ATRAZINE: 4082
 ATRIOVENTRICULAR NODE: 2279
 ATROPHY: 515, 1021, 1386, 1437, 2164, 3162, 3354, 3579, 4459, 4661
 ATROPINE: 85, 294, 342, 373, 488, 578-579, 734, 940, 1006, 1042, 1218, 1288, 1487, 1498, 1617, 1758, 1800, 1808, 1845, 1946, 2237, 2761, 3160, 3553, 3555, 3710-3711, 3729, 3855, 3948, 4062, 4083, 4189, 4195, 4317
 ATTENTION: 2141
 ATTITUDE: 1340, 3407
 ATTITUDE OF HEALTH PERSONNEL: 111, 1330, 4712
 ATTITUDE TO HEALTH: 71, 777, 1731, 2022, 2070-2072, 3383
 AUDIOMETRY: 77
 AUDITORY CORTEX: 3596
 AURICULAR FIBRILLATION: 1464, 2279
 AUROTHIOGLUCOSE: 148
 AUSTRALIA ANTIGEN: 333, 1043, 2084, 2379, 3821, 4169, 4365, 4405
 AUSTRALIAN RACE: 777, 2070-2072
 AUTOANALYSIS: 247, 590, 663, 930, 1102, 1972, 3541, 3566, 4079, 4651
 AUTOANTIBODIES: 19, 21, 165, 168, 957, 1020, 1371, 1857, 1921, 1957, 2217, 2677, 2859, 3051, 3592-3593, 4041, 4227
 AUTOIMMUNE DISEASES: 213, 669, 957, 1924, 2859, 3051, 4053, 4183, 4227, 4342, 4389, 4410, 4459
 AUTOLYSIS: 1278
 AUTOMATION: 1484, 3902
 AUTONOMIC DRUGS: 4279
 AUTONOMIC DYSFUNCTION: 1516, 1545, 4279
 AUTONOMIC FIBERS, POSTGANGLIONIC: 847, 2802, 2945
 AUTONOMIC NERVOUS SYSTEM: 201, 600, 1165, 2237, 3116, 3118, 4279, 4399
 AUTOPSY: 229, 473, 523, 653, 1078, 1088, 1135, 1157, 1499, 1541, 1826, 1838, 1855, 1968, 1992, 2003, 2171, 2347, 2433, 2551, 2629, 2656, 3060, 3131, 3227, 3245, 3265, 3444, 3449, 3457, 3479, 3486, 3520, 4036, 4158, 4300, 4312, 4387, 4402, 4501
 AUTORADIOGRAPHY: 61, 134, 562, 725, 757, 864-865, 1274, 1355, 1373, 1456, 1495, 1533-1534, 1548, 1683, 1804, 1858-1859, 2097, 2163, 2251, 2519, 2894-2895, 2740, 2839, 2884, 2932, 3167, 3195, 3356-3357, 3380, 3659, 3742, 3807, 3845, 3960, 4191, 4200, 4234, 4276, 4320, 4513, 4656
 AUTOSOME ABNORMALITIES: 101, 319, 691, 813, 1483, 2432
 AVIAN LEUKOSIS VIRUSES: 821
 AVIDIN: 2939
 AVITAMINOSIS: 203, 2633
 AVOIDANCE LEARNING: 424, 540, 577, 1369, 1841, 2118, 2431, 3434
 AWARENESS: 341
 AXONS: 339, 391, 394, 1258, 1663, 1716, 2229, 2317, 2816, 2928, 3497
 AXOPLASMIC FLOW: 619, 1165, 2667, 4213, 4575
 AZA COMPOUNDS: 258, 1264
 AZASERINE: 1245
 AZASTEROIDS: 1390, 2581
 AZATHIOPRINE: 150, 165-166, 263, 370, 463, 717, 1657, 1756, 1953, 2057, 2352, 2455, 2527, 2541, 2573, 2622, 2777, 2956, 3239, 3684, 3769, 3821, 4138, 4169, 4230, 4365, 4658
 AZAURIDINE: 1801, 3743
 AZIDES: 231, 742, 1335, 1881, 2162, 2337, 3670
 AZIRIDINES: 2091
 AZIRINES: 2091
 AZO COMPOUNDS: 126, 1632, 2370, 3950, 4355

B

BABOONS: 440, 1379-1380, 1771, 2066, 2768
 BACILLUS: 3316
 BACILLUS ANTHRACIS: 3903
 BACILLUS MEGATERIUM: 845
 BACILLUS SUBTILIS: 3316
 BACITRACIN: 846, 982, 3281
 BACTERIA: 230, 354, 1292, 1624, 2166, 3394, 3910
 BACTERIAL INFECTIONS: 1119, 1907, 2713, 2718, 2890, 3281, 4312
 BACTERIAL PROTEINS: 627, 1816, 2260
 BACTERIOCHLOROPHYLLS: 230
 BACTERIOLOGICAL TECHNIQS: 2533, 4219
 BACTERIOLYSIS: 1125
 BACTERIOPHAGES: 1422, 4453
 BACTERIURIA: 694
 BACTEROIDES: 3394
 BALLISTOCARDIOGRAPHY: 2075
 BANANA: 4373
 BANDAGES: 4459
 BARBITURATES: 8, 488, 1482, 1638, 1981, 3539, 3613, 3743, 3993, 4688
 BARIUM: 1568-1569, 4582
 BARLEY: 1394, 2676, 3396
 BARNACLES: 698
 BARTTER'S DISEASE: 719, 726, 1665, 3109
 BASAL METABOLISM: 968, 1380, 4506
 BASE SEQUENCE: 1533, 1851, 2262, 4578
 BASEMENT MEMBRANE: 665, 1399, 1645, 2064, 2366, 2528, 3239, 3256, 4064
 BASIDIOMYCETES: 282
 BASOPHILS: 662, 2171, 2470, 4606
 BATTERED CHILD SYNDROME: 869
 BAYES THEOREM: 4548
 BCG VACCINATION: 151, 2065
 BCG VACCINE: 3217
 BEAK: 1644
 BEARS: 2005
 BECLMETHASONE: 420, 466, 650, 765, 2336, 3937, 4324, 4707
 BEES: 687
 BEETLES: 4385
 BEHAVIOR: 90, 487, 581, 1330, 2610, 3412, 4482, 4516
 BEHAVIOR, ANIMAL: 321, 481, 489, 541, 577, 745, 832, 919, 1071, 1369, 1379, 1578, 1742, 1787, 1841, 2126, 2141, 2174, 2311, 2335, 2452, 3179, 3331, 3412, 3476, 3502, 3559, 3620, 4030, 4222-4223, 4375, 4462, 4506
 BEHAVIOR MODIFICATION: 1578
 BEHAVIOR THERAPY: 3392
 BEHCET'S SYNDROME: 1906
 BENICE JONES PROTEIN: 2374, 3208
 BENDROFLUMETHIAZIDE: 4217
 BENTONITE: 3287
 BENZALKONIUM CHLORIDE: 59, 694
 BENZAMIDES: 2091
 BENZANTHRACENES: 2397, 4321, 4454
 BENZENE DERIVATIVES: 4370, 4593
 BENZENESULFONATES: 309, 468, 1632
 BENZIMIDAZOLES: 1851
 BENZOATES: 1629, 1940, 1981, 2074, 2789, 2935, 3044
 BENZODIAZEPINE TRANQUILIZERS: 3961
 BENZOPYRANS: 128, 2021
 BENZOPYRENES: 1542, 3680, 3743, 4018, 4538
 BENZOTHIADIAZINES: 3602
 BENZPHETAMINE: 1581, 4511
 BENZTROPINE: 2187
 BENZYL COMPOUNDS: 462, 526, 823, 1364, 2744
 BETA GLOBULINS: 893, 4144-4145
 BETAINE: 820
 BETAMETHASONE: 463, 744, 1940, 2028, 2123, 2336, 2377, 2927, 3028, 3044, 3082, 4004, 4149, 4366, 4577, 4714
 BETHANECHOL COMPOUNDS: 2252, 3580
 BEZOARS: 4346
 BIBLIOGRAPHY: 1461, 1717
 BIBLIOGRAPHY, NATIONAL: 2523
 BICARBONATES: 57, 167, 266-267, 296, 484, 605, 852, 1130, 1299, 1416, 1840, 2242, 2375, 3494, 3630, 4195, 4260, 4440
 BIGUANIDES: 1482, 2538, 3173
 BILE: 1111, 1795, 2028, 2876, 3478, 4356
 BILE ACIDS AND SALTS: 224, 886, 1507,

SUBJECT INDEX

2750, 3394, 3830, 3649, 4168
 BILE DUCTS: 1049
 BILE DUCTS, INTRAHEPATIC: 3649
 BILE PIGMENTS: 711, 1507, 3680, 3848, 4250
 BILIARY FISTULA: 1795
 BILIARY TRACT DISEASES: 1049, 1240, 2295
 BILIRUBIN: 48, 65, 667, 711, 914, 1507, 2642, 3680, 3864, 4208, 4238
 BINDING, COMPETITIVE: 45, 247, 389, 626, 642, 696, 800, 894, 911, 1077, 1087, 1156, 1329, 1460, 1469, 1515, 1609, 1910, 1938, 1987, 2101, 2129, 2260, 2441, 2489, 2841, 3015, 3045, 3065, 3074, 3235, 3282, 3306, 3423, 3532, 3535, 3550, 3600, 3798, 3883, 4034, 4060, 4075, 4351, 4461, 4497, 4528
 BINDING SITES: 27, 45, 113, 138, 153, 219, 247, 259, 264, 287, 309, 362, 442, 510, 529, 550, 651, 680, 751, 846, 865, 894, 904, 911, 918, 921, 926, 975, 987, 1046, 1086-1087, 1156, 1211, 1332, 1347, 1393, 1460, 1548, 1556, 1581, 1609-1610, 1616, 1625, 1627, 1669, 1751, 1764, 1769, 1895, 1897, 1910, 1987-1988, 2018, 2047, 2055, 2108, 2128-2129, 2142, 2151, 2175, 2226-2227, 2282, 2296, 2386, 2435-2436, 2440, 2445, 2484-2485, 2517, 2603, 2639, 2652, 2667, 2712, 2744, 2784, 2795, 2934, 2947, 3008, 3041, 3045, 3050, 3110, 3126, 3138, 3144, 3164, 3238, 3271, 3310, 3356, 3385, 3402, 3416, 3423, 3516, 3532, 3550, 3563, 3604, 3685, 3779, 3788, 3798, 3802, 3897, 3976, 4075, 4089, 4105, 4219, 4259, 4449, 4451, 4453, 4487, 4497, 4511, 4528, 4571, 4618
 BINDING SITES, ANTIBODY: 537, 2056, 2074, 3219, 3341, 4467, 4664
 BINET TESTS: 1280
 BIOCHEMISTRY: 1824, 2645, 4084, 4647
 BIODEGRADATION: 246
 BIOGENIC AMINES: 220, 489, 649, 714, 1557, 1575, 1650, 1784, 1787, 2428, 2561, 2864, 3273, 3572, 3952, 4277, 4308
 BIOLOGIC AVAILABILITY: 1031, 1199
 BIOLOGICAL ASSAY: 19-20, 118, 120, 162, 192, 261, 274, 295, 337, 344, 357, 510, 574, 651, 822-823, 890, 902, 905, 917, 1304, 1368, 1454, 1641, 1670-1671, 1773, 1823, 1865-1867, 1973, 2149, 2214, 2277, 2437, 2464, 2507, 2509, 2849, 2950, 2964, 3034, 3360, 3510-3511, 3536, 3582, 3719, 3759, 3801, 3953, 4083, 4182, 4325, 4452, 4528
 BIOLOGICAL CLOCKS: 709, 3559
 BIOLOGICAL TRANSPORT: 7, 221, 375, 394, 579, 633, 636, 839, 1010, 1058, 1128, 1415, 1419, 1521, 1625, 1693, 1828, 1842, 1844, 1871, 2240, 2298, 2314, 2318, 2532, 2625, 2712, 2876, 2947, 2983, 3138, 3143, 3240, 3295, 3354, 3373, 3400, 3410, 3490, 3494, 3543, 3616, 3691, 3844, 4007, 4011, 4097, 4165, 4213, 4221, 4571, 4581, 4610
 BIOLOGICAL TRANSPORT, ACTIVE: 153, 276, 278, 335, 402, 459, 543, 747, 852, 857, 1068, 1131, 1168, 1339, 1384, 1416, 1595, 2018, 2046, 2105, 2176, 2191, 2203, 2451, 2529, 2550, 2999, 3234-3235, 3365, 3402, 3430, 3459, 3496, 3505, 3722, 3820, 3966, 3972, 4012, 4219, 4242, 4264, 4379, 4439, 4457, 4532
 BIOLOGY: 3880, 4699
 BIOMECHANICS: 741, 3636, 3732
 BIOMETRY: 73-74, 432, 1302, 1796, 2182, 3053, 3908
 BIOPHARMACEUTICS: 1888
 BIOPHYSICS: 2119
 BIOPSY: 88, 232, 279, 305, 324, 478, 617, 712, 723, 827, 880, 991, 1002, 1101-1103, 1162, 1201, 1286, 1307, 1445, 1523, 1640, 1785, 1915, 1921, 1976, 1992, 2032, 2057, 2231, 2504, 2531, 2749, 2758, 2826, 3113, 3133, 3190, 3268, 3305, 3312, 3457, 3460, 3471, 3551, 3585, 3727, 3761, 3925, 4169, 4205, 4346, 4369, 4378, 4416, 4446, 4503, 4701, 4724
 BIOPSY, NEEDLE: 33, 233, 386, 622, 831, 929, 1428, 1700, 2099, 2244, 2343, 4650
 BIOTIN: 203, 2682
 BIOTRANSFORMATION: 282, 1176, 3528, 3910, 4102, 4388
 BIPHENYL COMPOUNDS: 3578
 BIRD DISEASES: 1442
 BIRDS: 125, 1302, 1644, 1922, 3805, 3895, 4417
 BIRTH CONTROL: 4333

BIRTH INJURIES: 196, 766
 BIRTH ORDER: 1982, 3786
 BIRTH RATE: 2072
 BIRTH WEIGHT: 18, 78, 167, 303, 577, 667, 677, 814, 958, 1166, 1229, 1249, 1280, 1524, 1601, 1654, 1803, 1965, 2135, 2280, 2452, 2710, 3036, 3046, 3973, 4260, 4525, 4688, 4729
 BITOSCANATE: 700
 BLADDER: 335, 418, 857, 1165, 1339, 1518, 1571, 2449, 2658, 4571
 BLADDER NEOPLASMS: 49, 258, 502, 1133, 1661, 2091, 2891, 3398, 4433
 BLADDER, NEUROGENIC: 4475
 BLASTOCYST: 214, 313, 1570, 1662, 1849, 2366, 2668, 3267, 3336, 4320, 4729
 BLASTOMYCOSIS: 1146
 BLEOMYCIN: 2686, 2901, 3561, 3735, 4237, 4374
 BLEPHARITIS: 524
 BLEPHAROPOPTOSIS: 628, 3346
 BLIND LOOP SYNDROME: 4168
 BLINDNESS: 934, 1227, 1451, 2276, 4115, 4307, 4642
 BLISTER: 3969
 BLOOD: 57, 92, 237, 246, 266, 600, 682, 1302, 1797, 1977, 1991, 2834, 3354, 3864, 3896, 4014, 4196, 4332, 4527, 4558, 4565
 BLOOD BACTERICIDAL ACTIVITY: 1353, 2152
 BLOOD-BRAIN BARRIER: 217, 1521, 3143, 3482, 4455
 BLOOD CELL COUNT: 1103, 1414, 1479, 1801, 1924, 2376, 2379, 2503, 2735, 3035, 3190, 3386, 3541, 4040, 4108
 BLOOD CELLS: 1016, 1233, 2053, 2523
 BLOOD CHEMICAL ANALYSIS: 2533, 4340, 4493
 BLOOD CIRCULATION: 526, 2560, 2718, 2802, 3212
 BLOOD COAGULATION: 430, 908, 1414, 1479, 1720, 1752, 2376, 2579, 2912, 3386, 4394
 BLOOD COAGULATION DISORDERS: 145, 1924, 3122, 3386, 3433, 4040
 BLOOD COAGULATION FACTORS: 5, 301, 2746, 3386, 4040
 BLOOD COAGULATION TESTS: 87, 842, 1479, 1600, 2376, 3122, 3386, 4040, 4093
 BLOOD DONORS: 2217
 BLOOD FLOW VELOCITY: 538, 1740, 1885, 2203, 2408, 2689, 3517, 4202, 4496
 BLOOD GAS ANALYSIS: 650, 1484, 2380, 3481
 BLOOD GROUP INCOMPATIBILITY: 711, 2890
 BLOOD GROUPS: 351, 2890, 2968
 BLOOD PLATELET DISORDERS: 1150, 1852, 1924, 3419, 4064
 BLOOD PLATELETS: 380, 545, 803, 891, 984, 1248, 1414, 1479, 1567, 1699, 1711, 1801, 1852, 1924, 2379, 2661, 2745, 2806, 2912, 2993, 3035, 3168, 3190, 3386, 3410, 3419, 3445, 3464, 3534, 3541, 3572, 3597, 3604, 3783, 3820, 4040, 4064, 4108, 4395, 4543-4545, 4582, 4719, 4730
 BLOOD PRESERVATION: 1699, 2886
 BLOOD PRESSURE: 156, 177, 179, 250, 270, 276, 283, 318, 355, 409, 417, 462, 475, 484, 511, 600, 733, 870-871, 896, 936, 1011, 1014, 1042, 1064, 1147-1148, 1155, 1175, 1180, 1208, 1443, 1463, 1564, 1592, 1606, 1619, 1642, 1651, 1667, 1676, 1783, 1885, 1947, 1984-1985, 2016, 2026-2027, 2052, 2084, 2109, 2130, 2237, 2281, 2328, 2354, 2360, 2399, 2405-2406, 2408, 2422, 2461, 2516, 2539, 2590, 2600, 2604, 2647, 2689, 2779, 2810, 2869, 2874, 2893, 2906, 2919, 2975, 3020-3021, 3031, 3033, 3055, 3063, 3085, 3165, 3168, 3221-3223, 3290, 3330, 3383, 3451, 3485, 3526, 3601, 3618, 3662, 3702, 3736, 3850, 3884, 3971, 4011, 4051-4052, 4063, 4083, 4132, 4137, 4177, 4202, 4331, 4353, 4356, 4436, 4476, 4533, 4554, 4581, 4592, 4703
 BLOOD PRESSURE DETERMINATION: 1619, 2165, 3538
 BLOOD PROTEIN ELECTROPHORESIS: 430, 1609, 4144, 4351
 BLOOD PROTEINS: 309, 351, 390, 501, 587, 678, 864, 939, 1076, 1111, 1130, 1139, 1194, 1254, 1484, 1710, 1738, 1742, 1797, 2374, 2465, 2795, 2960, 2968, 3143, 3228, 3386, 3458, 3480, 3649, 3987, 4260, 4350-4351, 4365, 4626
 BLOOD SEDIMENTATION: 622, 1103, 1439,

1445, 2253, 2503, 2573, 3717, 3943, 3991
 BLOOD SPECIMEN COLLECTION: 286, 325, 1104, 1287, 3022
 BLOOD SUGAR: 36, 54, 60, 65, 238, 274, 286, 323, 401, 410, 457, 467, 506, 585, 589, 1035, 1073, 1130, 1140, 1192, 1300, 1394, 1413, 1419, 1468, 1471, 1477, 1484, 1714, 1722, 1742, 1797, 1840, 1996, 2031, 2212, 2460, 2509, 2533, 2545, 2552, 2575, 2628, 2676, 2724, 2981, 2984, 3038, 3044, 3046, 3156, 3386, 3822-3823, 3918, 3957, 3964, 4008, 4020, 4077, 4101-4102, 4126, 4171, 4260, 4265, 4296, 4343, 4493, 4506, 4508
 BLOOD-TESTIS BARRIER: 4379
 BLOOD TRANSFUSION: 5, 1103, 1248, 1600, 1906, 3035, 3136, 3182, 3783, 4719
 BLOOD UREA NITROGEN: 65, 1150, 1742, 1797, 1992, 2016, 2099, 2459, 2533, 2676, 3684, 4115
 BLOOD VESSELS: 58, 1175, 1218, 1295, 1379, 1568, 2522, 3290, 3464, 3857, 3996, 4001, 4160, 4555
 BLOOD VISCOSITY: 3120
 BLOOD VOLUME: 48, 513, 600, 789, 963, 990, 2253, 2994, 3657
 BLOODLETTING: 772
 BODY BURDEN: 229
 BODY COMPOSITION: 229, 570, 927, 2678, 4248, 4469
 BODY CONSTITUTION: 838, 2788, 3898
 BODY FLUIDS: 225, 272, 680, 733, 1134, 1777, 2380, 2729, 3428
 BODY HEIGHT: 323, 958, 1237, 1280, 1636, 1825, 1965, 2373, 2512, 2582, 2610, 2711, 2752, 3467, 3565, 3632, 3786, 3862-3863, 3898, 3920, 3957, 4190, 4315, 4422, 4458, 4514, 4620
 BODY IMAGE: 1578
 BODY SURFACE AREA: 320, 2907
 BODY TEMPERATURE: 201, 300, 488, 596, 623, 745, 781, 802, 1014, 1947, 2463, 2696, 2724, 2993, 3075, 3257, 3383, 3648, 3662, 3754, 4058, 4103, 4273, 4464
 BODY TEMPERATURE REGULATION: 560, 1128, 1322, 1360, 1379-1380, 1564, 1764, 2782, 3648, 4337
 BODY WATER: 252, 397, 501, 1111, 2405, 3295, 3500, 4177
 BODY WEIGHT: 2, 18, 78, 84, 124, 189, 252, 263, 276, 292, 303, 312, 347, 385, 387, 424, 499, 516, 520, 585, 600, 634, 648, 695, 702, 715, 851, 951, 986, 1004, 1012, 1038-1039, 1049, 1071, 1111, 1151, 1169, 1172, 1177, 1228, 1235, 1237, 1241, 1256, 1264, 1280, 1293, 1303, 1401, 1430, 1443, 1457, 1492, 1555, 1578, 1585, 1644, 1667, 1681, 1701, 1714, 1738, 1742, 1744, 1753, 1757, 1770, 1832, 1905, 1945, 1965, 2014, 2017, 2107, 2131, 2141, 2183, 2246, 2278, 2332, 2362, 2384, 2395, 2459, 2497, 2500, 2502-2503, 2510, 2519, 2524, 2540, 2542, 2580, 2603, 2626, 2673, 2689, 2724, 2752, 2837, 2879, 2907, 2984, 2998, 3036, 3046, 3050, 3054, 3132, 3197, 3202, 3287, 3309, 3330, 3370, 3415, 3458, 3467, 3480, 3517, 3526, 3540-3541, 3618, 3632, 3668, 3672, 3678, 3690, 3780, 3784, 3797, 3846, 3862-3863, 3873, 3898, 3920, 3931, 3941, 3954, 3958, 3962, 3987, 4008, 4051, 4082, 4120, 4126, 4140, 4171, 4187, 4248, 4413, 4458, 4492, 4504, 4506, 4514, 4559, 4592, 4630, 4680, 4684
 BONE AND BONES: 49, 94, 99, 102, 147, 176, 195, 229, 253-254, 293, 324, 378, 439, 472, 513, 518, 520, 557, 562, 566, 617, 646, 702, 725, 728-729, 740-741, 763, 785, 808, 811, 840, 875, 879, 881, 907, 918, 929, 954, 1003, 1049, 1091-1092, 1101-1102, 1129, 1135, 1160, 1162, 1164, 1242, 1264, 1344, 1346, 1376, 1391, 1433, 1445, 1508, 1585, 1600, 1643, 1666, 1675, 1729, 1771, 1779, 1789, 1792, 1830, 1836, 1877, 1884, 1913, 1919, 2080, 2131, 2139, 2148, 2196, 2230, 2272-2273, 2280, 2370, 2401, 2424, 2439, 2446, 2449, 2467, 2491-2492, 2515, 2522, 2577, 2593, 2623, 2628, 2656, 2670, 2678, 2697, 2700, 2712, 2728, 2749, 2752, 2791, 2879, 2914, 2983, 2985, 2998, 3024, 3048, 3091, 3105, 3114, 3130-3131, 3153, 3176, 3266, 3288, 3296, 3342, 3365, 3378, 3380, 3391, 3393, 3401, 3456-3457, 3463, 3530, 3551, 3590, 3599, 3610, 3628, 3636, 3647, 3653, 3658, 3714, 3723, 3727, 3732, 3742, 3746, 3760-3761, 3763, 3795, 3799, 3806, 3817-3818, 3867-3870, 3873, 3880, 3896, 3898, 3925, 3933, 3996, 4001, 4033, 4047, 4118-4119, 4177, 4224, 4246, 4300, 4386, 4437, 4489, 4518

SUBJECT INDEX

BONE CEMENTS: 513
BONE DEVELOPMENT: 432, 1235, 1344, 1452, 1798, 1836, 1860, 2131, 2593, 2711, 2791, 3048, 3266, 3380, 3762, 3818, 3873, 3880, 4047, 4224
BONE DISEASES: 378, 503, 566, 811, 813, 875, 907, 950, 954, 1435, 1643, 1729, 1796, 2295, 2308, 2467, 2492, 2728, 3433, 3713, 3817, 3967, 4033, 4154, 4443, 4730
BONE DISEASES, DEVELOPMENTAL: 102, 557, 898, 1003, 1226, 1483, 1666, 1796, 1919, 2111, 2330, 2426, 2454, 2471, 2473, 2505, 2951, 3101, 3103, 3227, 3456-3457, 3475, 3761, 3872, 3979, 4033, 4047, 4391, 4550
BONE MARROW: 566, 966, 1101, 1531, 2379, 2424, 2497, 2500-2503, 2551, 2843, 3393, 3608-3607, 3698, 3727, 4251
BONE MARROW CELLS: 566, 909, 999, 1885, 1848, 2100-2101, 2305, 2424, 2523, 3090, 3495, 3570, 3604, 3631, 3783, 3857, 4232, 4389, 4394, 4628, 4719
BONE MARROW DISEASES: 1043, 2271, 3315, 3967, 4719
BONE MARROW EXAMINATION: 966, 1103, 1445, 1756, 2586, 3664, 3749, 4041
BONE MATRIX: 3880
BONE NEOPLASMS: 293, 295, 653, 713, 740, 929, 1223, 2180, 2306, 2418, 2495, 2628, 2700, 3266, 3302, 3714, 4001, 4118-4119, 4418
BONE REGENERATION: 1643, 2467, 2497-2503, 2577, 3500, 3653
BONE RESORPTION: 147, 295, 811, 1102, 1121, 1643, 1730, 1848, 1992, 2146, 2148, 2272, 2500, 2510, 2577, 3005, 3048, 3107, 3123, 3380, 3658, 3696, 3880, 4047, 4066
BONE SCREWS: 741
BORANES: 1332
BORDETELLA PERTUSSIS: 316
BOROXYDRIDES: 587, 1882, 2045, 3566
BOTULINUM TOXIN: 2195
BRACHIAL PLEXUS: 4280
BRADYCARDIA: 1545
BRADYKININ: 294, 431, 602, 870-871, 1497, 2084, 2195, 2819, 2950, 3608, 4160, 4331, 4555
BRAIN: 164, 189, 196, 216-218, 222, 276, 307, 321, 332, 408, 442, 486-487, 489, 540-541, 581, 618, 626, 652, 761, 770, 799, 808, 816, 911, 914, 930, 974, 1033, 1050, 1075, 1081, 1089, 1111, 1171, 1246, 1263, 1283, 1322, 1369, 1382, 1476, 1521, 1541, 1549, 1555, 1561, 1564, 1574-1575, 1638, 1708, 1728, 1754, 1812, 1820, 1826, 1831, 1841, 1886, 1981, 1995, 2038, 2119, 2154, 2237, 2305, 2308-2309, 2428, 2433, 2461, 2465, 2474, 2516, 2546, 2563, 2571, 2594, 2658, 2667, 2694-2695, 2735, 2745, 2766, 2808, 2816, 2850, 2861-2862, 2901, 2903, 2924, 2940, 2999, 3003, 3017, 3053, 3060, 3105, 3143, 3152, 3155, 3175, 3203, 3205, 3227, 3257, 3291, 3298, 3331, 3412, 3421, 3486, 3497, 3553, 3654, 3754, 3779, 3887, 3892, 3932, 3972, 4134, 4197, 4218, 4222, 4252, 4277, 4375, 4411, 4417, 4430, 4455, 4486-4488, 4498, 4541, 4547, 4589, 4705
BRAIN ABSCESS: 2068, 2862
BRAIN CHEMISTRY: 133, 169, 173, 201, 216, 363, 385, 521, 533, 619, 652, 714, 770, 816, 1033, 1134, 1361, 1541, 1561, 1564, 1716, 1777, 1955, 2174, 2374, 2444, 2736, 2808, 3203, 3313, 3331, 3559, 3572, 3615, 3818, 3882, 3936, 3954, 4223, 4375, 4407, 4554, 4638
BRAIN DISEASES: 366, 889, 1404, 1437, 2068, 2259, 2862, 3267, 3312, 3480-3481, 4117, 4322, 4387
BRAIN EDEMA: 133, 1296, 1466, 1894, 3084, 3481, 4157
BRAIN INJURIES, ACUTE: 95, 196, 343, 347, 2770, 3481
BRAIN MAPPING: 95, 594, 1126, 1272, 1436, 1651, 1814, 2067, 2281, 2384, 2759, 2943, 2954, 3047, 3185, 3641, 3791, 4213, 4261, 4363, 4417, 4637, 4654
BRAIN NEOPLASMS: 332, 347, 467, 783, 906, 1296, 1437, 1440, 1461, 1636, 1809, 1951, 1999, 2068, 2457, 2637, 2862, 3069, 3111, 3205, 3312, 3448, 3481, 3619, 3724, 3829, 3927, 4576
BRAIN STEM: 69, 486, 521, 1437, 1541, 1651, 1708, 1716, 1728, 1764, 2428, 2546, 2553, 2928, 3059, 3069, 3553, 3654, 3963, 4157
BREAST: 111, 800, 834, 1274, 1425, 1481, 2748, 3040, 3218, 3435, 3709, 4205, 4321
BREAST DISEASES: 111, 495, 552, 800, 2646, 3218, 3556, 3874
BREAST FEEDING: 111, 667, 1071, 1479, 1524, 2039, 2525, 3968, 4333, 4629
BREAST NEOPLASMS: 13, 49, 132, 233, 295, 395, 483, 495, 502, 615, 634, 775, 800, 834, 985, 1215, 1274, 1289, 1425, 1486, 1891, 1897, 2034, 2091, 2178, 2210-2211, 2440, 2559, 2583, 2626, 2629, 2740, 2748, 2389, 3140, 3285, 3302, 3342, 3418, 3499, 3656, 3707, 3758, 4321, 4372, 4378, 4536, 4676
BREATHING EXERCISES: 1827
BREEDING: 349, 817, 1255, 1664, 3409, 3564, 3938, 4699
BRETYLIUM COMPOUNDS: 2086, 2934
BRIDGED COMPOUNDS: 716
BROAD LIGAMENT: 812
BROMIDES: 56, 1416, 2389, 3002
BROMINE: 718, 964, 1443, 2897, 4571
BROMOBENZENES: 1819
BROMODEOXYURIDINE: 749, 1456, 2732, 2787, 3100, 3535, 3706, 4657
2-BROMOERGOCRYPTINE: 810, 1266, 1681, 1971, 2524-2525, 2975, 3542, 3682, 3747, 3765, 4077, 4710
2-BROMOLYSERGIC ACID
DIETHYLAMIDE: 3434
BRONCHI: 1649, 2288, 2685, 3160, 3485, 3554, 3930, 3939, 4190
BRONCHIAL DISEASES: 1240, 4663
BRONCHIAL NEOPLASMS: 473, 653, 3758, 4018
BRONCHIAL SPASM: 2090, 3930
BRONCHIOLITIS, VIRAL: 4663
BRONCHITIS: 452, 650, 1827, 3334, 4293, 4663
BRONCHODILATOR AGENTS: 765, 1487, 1827, 3160, 3485, 3521, 4293, 4663
BRONCHOPNEUMONIA: 1840, 1947, 4452, 4576, 4663
BROWN FAT: 1659, 2198, 3388, 3413, 3447, 3907
BRUXISM: 2119
BUFFALOES: 1153
BUFFERS: 141, 3068, 4528
BUFO BUFO: 4295
BUFO MARINUS: 298-299, 335, 857, 1339, 2658, 4571
BUPOTENIN: 1446, 2488-2489
BULBOURETHRAL GLANDS: 3355
BUNDLE-BRANCH BLOCK: 2549
BUNGAROTOXINS: 987
BURIMAMIDE: 219, 459, 1217
BURKITT'S LYMPHOMA: 103, 2637
BURKITT'S LYMPHOMA VIRUS: 3187, 3289
BURNS: 528, 1341, 4108, 4653
BURNS, ELECTRIC: 2531
BURSA OF FABRICIUS: 2564, 4413
BURSITIS: 3640
BUSULFAN: 116, 2773, 3514, 3583, 3749, 4368
BUTADIENE: 115
BUTOCIN: 1110
BUTRIPTYLINE: 3331
BUTTOCKS: 3728
BUTYRATES: 201, 408, 419, 820, 1582, 1772, 1829, 3341, 3844, 4664
BUTYROPHENONES: 4407
BUTYRYLCHOLINESTERASE: 1209

C

C-REACTIVE PROTEIN: 3717
C-TYPE VIRUSES: 2066
CADAVER: 2656
CADAVERINE: 3561
CADMIUM: 253, 358, 696, 1087, 1475, 2207, 2886, 2998, 4070, 4085, 4177, 4502
CAERULEIN: 980
CAFFEINE: 137, 747, 805, 1206, 1259, 1582, 1822, 1824, 2046, 2947, 4084, 4442, 4470
CALCIFICATION, PHYSIOLOGIC: 439, 1038, 1344, 1836, 2148, 2156, 2623, 2860, 3365, 3500, 3658, 3723, 3798, 3998
CALCINOSIS: 436, 617, 804, 1791, 2196, 2888, 3099, 3963
CALCITONIN: 13, 25, 147, 653, 950, 1102, 1948, 2044, 2148, 2325, 2577, 2601, 2836, 3156, 3610, 3723, 3806, 3875, 3896, 4066, 4150, 4437
CALCIUM: 13, 22, 25, 36-37, 40, 50, 52, 57, 63, 65, 84-85, 112, 147, 174, 179, 204, 237, 254, 318, 327, 329, 367-368, 375-376, 380, 394, 402, 411, 443, 447, 472, 477-478, 520, 538, 543, 579, 586, 590, 592, 603, 606, 617, 631, 633, 646, 656, 668, 698, 728-729, 747, 805, 908, 926, 944, 954, 971, 989, 1029, 1043, 1068, 1089, 1091, 1098, 1100, 1102, 1120-1121, 1129, 1132, 1156, 1168, 1204-1206, 1211, 1232-1233, 1262, 1281, 1292, 1295, 1299, 1335, 1350, 1410-1411, 1415-1416, 1435, 1513, 1531, 1538, 1547, 1569, 1585, 1597, 1599, 1607-1608, 1625, 1645, 1650, 1717, 1730, 1738-1739, 1742, 1753, 1758-1759, 1769, 1772, 1784, 1789, 1792, 1797, 1818, 1829, 1842, 1870, 1913, 1948, 1983, 1994, 2011, 2041, 2044, 2046, 2062, 2079, 2097, 2105, 2131, 2147-2148, 2207, 2242, 2279, 2298, 2311, 2317-2318, 2324-2325, 2350, 2359-2360, 2368, 2375, 2387, 2406, 2418, 2423, 2470, 2479, 2491, 2498-2499, 2503, 2532, 2545, 2548, 2566, 2574-2575, 2577, 2625, 2627, 2649, 2660, 2665, 2676, 2678, 2681-2682, 2729, 2749, 2751, 2806, 2813-2814, 2860, 2883, 2886, 2894, 2899, 2902, 2946-2947, 2955, 2976, 2983, 3000, 3002, 3036, 3107, 3114, 3119, 3123, 3129, 3137, 3161, 3164, 3213, 3238, 3242, 3286, 3292, 3302, 3318, 3365, 3373, 3378, 3402, 3430, 3436, 3466, 3500, 3505, 3530, 3544, 3551, 3573, 3597, 3610, 3630, 3658, 3668, 3670, 3675, 3689, 3691, 3705, 3710-3712, 3721, 3723, 3751, 3795, 3798-3799, 3803-3804, 3806, 3838, 3864, 3896, 3906, 3966, 3997, 4007, 4019, 4033, 4039, 4062, 4064, 4066, 4070, 4082, 4103, 4146, 4154-4155, 4234, 4240, 4242-4243, 4250, 4259-4260, 4264, 4437, 4439, 4444, 4449, 4456-4457, 4472, 4493, 4498-4499, 4502, 4532, 4544, 4581-4582, 4626, 4670, 4672, 4723, 4730
CALCIUM CARBONATE: 1948
CALCIUM CHLORIDE: 331, 1350, 2069, 2225
CALCIUM, DIETARY: 593, 1585, 1739, 2148, 2497-2499, 2501-2502, 2577, 2946, 3610
CALCIUM FLUORIDE: 2492
CALCIUM METABOLISM DISORDERS: 204, 617, 1043, 1281, 1717, 2148
CALCIUM PHOSPHATES: 439, 845, 1836, 2131, 3296, 4146, 4598
CALCIUM RADIOISOTOPES: 394, 472, 543, 631, 698, 1435, 1730, 1739, 1758, 1769, 2046, 2660, 3002, 3723, 3806, 4070, 4234, 4582
CALCULI: 3723
CALLUS: 2156, 2498, 2500-2502, 2535, 3653
CALORIMETRY: 923, 2197, 2640, 3931
CAMELS: 3, 2464
CAMPOR: 1581, 1624
CANARIES: 1442, 4005
CANAVANINE: 2089
CANDIDA: 168, 1019, 2166, 2414, 2933, 3910
CANDIDA ALBICANS: 168, 1381, 1917, 2152, 2414, 2675, 4546
CANNABIDIOL: 3147
CANNABIS: 735, 2421, 3147, 3620, 4726
CANRENOATE POTASSIUM: 3170
CAPILLARIA: 3334
CAPILLARIES: 1092, 1355, 2925-2926, 3194, 3497
CAPILLARY PERMEABILITY: 316, 501, 871, 1139, 1260, 1529, 3044, 3143, 4379
CAPILLARY RESISTANCE: 2604
CAPROATES: 2717
CAPROLACTAM: 1019
CAPSULES: 328
CARBACHOL: 85, 342, 431, 579, 595, 846, 940, 1210, 1617, 1687, 1758, 1808, 2423, 3185, 3502, 3948
CARBAMATES: 871, 2091
CARBAMAZEPINE: 4625
CARBAMYL PHOSPHATE SYNTHASE (GLUTAMINE): 3248
CARBENOXOLONE: 1131, 3539, 4217
CARBIMAZOLE: 1773, 1868, 2702-2703, 2995, 3072, 4408
CARBODIIMIDES: 3318
CARBOHYDRATE ISOMERASES: 2764, 3336
CARBOHYDRATE METABOLISM, INBORN ERRORS: 785, 1516, 4127
CARBOHYDRATES: 6-7, 38, 147, 607, 836, 958, 1202-1203, 1233, 1271, 1695, 2380, 2388, 2498-2499, 2616, 2628, 2747, 2903, 3164, 3368, 3566, 3577, 3740, 4091, 4143, 4238, 4443
CARBOLINES: 540-541
CARBON: 976, 3264, 4000
CARBON DIOXIDE: 167, 189, 313, 387, 501, 548, 648, 1130, 1132, 1840, 2252, 2539, 2685, 3451, 3648, 3896, 4209, 4286, 4353, 4608
CARBON ISOTOPES: 15, 1332, 1701

SUBJECT INDEX

- CARBON MONOXIDE: 1669, 4124, 4511
CARBON MONOXIDE POISONING: 548
CARBON RADIOISOTOPES: 15, 27, 135, 197, 199, 206, 221, 251, 257, 330, 384, 545, 675, 754, 803, 836, 840, 864, 873, 997, 1059, 1111, 1169, 1173, 1237, 1274, 1335, 1406, 1567, 1589, 1646, 1705, 1795, 1962, 1990, 2083, 2169, 2175, 2240, 2333, 2603, 2632, 2744, 2882, 3015, 3126, 3138, 3410, 3419, 3535, 3550, 3709, 3820, 3887, 3972, 3989, 4009, 4012, 4160, 4187, 4201, 4210, 4239, 4274, 4287, 4448, 4455, 4527, 4582, 4610, 4614, 4646-4647, 4657, 4660
CARBON TETRACHLORIDE: 3743, 4268, 4570
CARBON TETRACHLORIDE POISONING: 3072, 4083
CARBONATES: 1079, 3296
CARBONIC ANHYDRASE: 3999
CARBONIC ANHYDRASE INHIBITORS: 2534
CARBONYL CYANIDE
P-TRIFLUOROMETHOXYPHENYLHYDR : 1058, 4264
CARBOXY-LYASES: 105, 2450, 3109, 3443, 3609, 4172
CARBOXYHEMOGLOBIN: 548
CARBOXYLIC ACIDS: 1582, 1772, 3373, 3566
CARBOXYMETHYLCELLULOSE: 2112
CARBOXYPEPTIDASES: 2286, 4540
CARCINOEMBRYONIC ANTIGEN: 1133, 1253, 4341, 4424
CARCINOGENS: 258, 615, 749, 1277, 2313, 2397, 3193, 4448, 4552
CARCINOMA: 151, 228, 233, 262, 268, 405, 473, 544, 653, 819, 831, 925, 965, 1274, 1428, 1520, 1656-1657, 1700, 1723, 1748, 1930, 1968, 2051, 2189, 2343, 2617, 2629, 2836, 2933, 3128, 3441, 3656, 4136, 4237, 4251, 4378, 4650, 4725
CARCINOMA 258, WALKER: 100, 819, 1440, 4655
CARCINOMA, BASAL CELL: 2887, 4590
CARCINOMA, BRONCHOGENIC: 473, 2160, 3128, 3582
CARCINOMA, DUCTAL: 1002, 4378
CARCINOMA, EHRLICH TUMOR: 146, 155, 210, 807, 1013, 1979, 3508, 3982, 4162
CARCINOMA, EPIDERMAL: 190, 1930, 2136, 2258, 2649, 3128, 3315, 3444, 3473, 3807, 4018, 4393, 4646, 4725
CARCINOMA IN SITU: 2933, 4369
CARCINOMA, KREBS 2: 2065, 3718
CARCINOMA, OAT CELL: 653, 3128, 3315
CARCINOMA, PAPILLARY: 127, 544, 831, 4313, 4343, 4674, 4725
CARCINOMA, SCIRRHUS: 723, 4346
CARCINOMA, TRANSITIONAL CELL: 1661, 4721
CARCINOSARCOMA: 3656
CARDIAC GLYCOSIDES: 2127, 3722
CARDIAC OUTPUT: 318, 526, 1042, 1613, 1783, 1984, 2026, 2399, 2560, 2781, 3165, 3850, 4051
CARDIAC TAMPONADE: 62, 721
CARDIAC VOLUME: 526, 1592
CARDIOPULMONARY BYPASS: 177, 1014
CARDIOSPASM: 915
CARDIOVASCULAR DISEASES: 1043, 3724, 4040, 4053, 4290
CARDIOVASCULAR SYSTEM: 594, 1260, 1651, 3118, 3196, 3401, 3479, 3939, 4356
CARNITINE: 820, 4207
CARNITINE PALMITOYLTRANSFERASE: 4207
CARNIVORA: 249, 639, 2005
CAROTENE: 228, 3984, 4185
CAROTENOIDS: 4185
CAROTID ARTERIES: 185, 735, 937, 1051
CAROTID ARTERY DISEASES: 1118, 1318
CAROTID ARTERY, EXTERNAL: 4496
CAROTID ARTERY, INTERNAL: 1051, 2600, 4001, 4496
CAROTID SINUS: 427, 1592, 4554
CARP: 493-494, 574, 1519
CARPAL BONES: 518, 1848
CARPAL TUNNEL SYNDROME: 557
CARRAGEENAN: 128, 149, 2104, 2422, 2455, 2582
CARRIER PROTEINS: 834, 1431, 1655, 3402, 3642, 4183
CARRIER STATE: 1043, 1388
CARTILAGE: 565, 902, 1092, 1323, 1337, 1633, 1836, 1848, 2156, 2288, 2433, 2502, 2628, 2712, 2913, 3130, 3401, 3457, 3473, 3727, 3798, 3872, 3880, 4047, 4069, 4246, 4386
CARTILAGE, ARTICULAR: 725, 3488, 4047
CARTILAGE DISEASES: 725, 3101, 3488, 3628
CASEIN: 38, 264, 322, 981, 1023, 2099, 2308, 3255, 3673, 4162, 4165
CASTOR BEAN: 359
CASTRATION: 71, 89, 125, 171, 306, 334, 388, 397, 403, 423, 430, 438, 450, 470-471, 498, 536, 551, 591, 630, 645, 682, 688, 736, 795, 824, 834, 861, 894, 951, 1055-1056, 1060, 1072, 1097, 1172, 1193-1194, 1297, 1316, 1319, 1398, 1457, 1486, 1532, 1559, 1583, 1634, 1674, 1706, 1732, 1743, 1810, 1815, 1849, 1922, 1939, 2008, 2208-2209, 2286-2287, 2381-2382, 2442, 2460, 2542, 2570, 2576, 2631, 2644, 2710, 2717, 2723, 2779, 2789, 2837-2838, 2853, 2871, 2877, 2915, 2992, 2996, 3009, 3039, 3152, 3155, 3179, 3240, 3252, 3274, 3345, 3415, 3427-3429, 3522, 3548-3549, 3655, 3695, 3802, 3805, 3819, 3822, 3859-3860, 3871, 3919-3920, 3923, 3928, 4000, 4128-4129, 4140, 4178, 4349, 4364, 4393, 4441, 4515, 4591, 4637
CASTS, SURGICAL: 2788
CAT DISEASES: 1081, 1163, 2008, 4464
CATALASE: 730, 742, 2733, 3495
CATALAPSY: 4705
CATALYSIS: 778, 1077, 1294, 1597, 2089, 2173, 2305, 2308, 2378, 2438, 3088, 4156
CATARACT: 734, 1696, 4069, 4115, 4396, 4443
CATARACT EXTRACTION: 1397, 1696, 4396
CATECHOL METHYLTRANSFERASE: 113, 442, 2154, 2321, 3033, 3654
CATECHOLAMINES: 23, 169, 177, 217-218, 262, 316, 318, 321, 331, 348, 363, 408-410, 431, 449, 457, 462, 626, 649, 743, 932, 940, 990, 1040, 1152, 1203, 1205, 1210, 1229, 1345, 1369, 1539-1540, 1545, 1613, 1659, 1983, 2011, 2190, 2229, 2316, 2325, 2423, 2521, 2553, 2561, 2594, 2639, 2736, 2841, 2864, 2906, 2945, 3029, 3033, 3059-3060, 3118, 3188, 3234-3235, 3273, 3290, 3326, 3331, 3515, 3559, 3574, 3602, 3611, 3615, 3623-3624, 3638, 3645, 3661, 3703, 3921, 4023, 4064, 4121, 4147, 4150, 4180, 4188, 4249, 4286, 4321, 4355, 4440, 4476, 4547, 4567, 4574, 4589, 4670, 4705
CATECHOLS: 3485, 4430
CATHARTICS: 294, 829, 2538, 4659
CATHEPSIN: 3971
CATHETERIZATION: 325, 388, 1462, 1502, 1829, 3228, 3875, 4417, 4533
CATIONS, DIVALENT: 358, 394, 984, 1156, 1347, 2360, 2634, 3978
CATIONS, MONOVALENT: 394, 1727, 2360, 2886, 4097
CATS: 137, 221, 250, 297, 342, 431, 462, 469, 508, 594, 658, 847, 899, 1040, 1042, 1060, 1081, 1142, 1163, 1165, 1205, 1390, 1540, 1592, 1605, 1638, 1651, 1814, 2008, 2010, 2098, 2239, 2423, 2442, 2444, 2445, 2516, 2539, 2621, 2759, 2802, 2816, 2861, 2864, 2895, 2928, 2950, 3200, 3273, 3291, 3327-3328, 3333, 3485, 3495, 3502, 3521, 3544, 3574, 3577, 3702, 3795, 3838, 3861, 3971, 4002, 4050-4051, 4121, 4242-4243, 4252, 4317, 4360, 4456, 4464, 4581, 4603, 4677
CATTLE: 29, 32, 38, 85, 138, 142, 146, 157, 185, 198, 207-208, 409-410, 442, 472, 555, 570, 606, 633, 674, 693, 725, 727, 769, 853, 864, 878-879, 904, 918, 921, 926, 962, 970, 975, 993, 1005, 1029, 1040, 1044, 1046, 1231, 1243, 1255, 1266-1267, 1306, 1314, 1346, 1382, 1382, 1389, 1394, 1451, 1457, 1460, 1501, 1509, 1513, 1528, 1536, 1539, 1605, 1646-1647, 1669, 1691, 1714, 1769, 1782, 1796-1797, 1806, 1817, 1823, 1882, 1972, 1977, 1996, 2009, 2018, 2047, 2142, 2157, 2195, 2197, 2214, 2253, 2256, 2282, 2293, 2326, 2372, 2386, 2444, 2464, 2480, 2490, 2548, 2557, 2564, 2574-2575, 2620, 2634, 2658, 2674, 2676-2677, 2705-2706, 2735, 2803-2805, 2809-2810, 2833, 2842, 2871, 2900, 2935, 3001, 3037, 3041, 3045-3046, 3068, 3095, 3151, 3183, 3187, 3200, 3215-3216, 3234, 3306, 3313, 3360, 3408, 3410, 3423, 3516, 3548, 3564, 3577-3578, 3629, 3639, 3681, 3697, 3727, 3741, 3815-3816, 3820, 3854, 3883, 3907, 3953, 3980, 3983, 4014, 4044, 4088, 4101, 4124, 4131, 4160, 4185, 4221, 4232, 4248, 4274, 4281-4282, 4334-4336, 4343, 4358, 4382, 4434, 4449, 4453, 4461, 4465-4466, 4497-4499, 4507, 4525, 4532, 4560, 4641, 4688
CATTLE DISEASES: 29, 555, 879, 1394, 1451, 2902, 4131, 4343
CAUCASIAN RACE: 500, 798, 1997, 2082, 2457, 2683, 2752, 3218, 3399, 4600
CAUDATE NUCLEUS: 169, 217, 581, 652, 1159, 1571-1572, 1886, 2648, 2864, 2928, 3060, 3291, 3296, 3615, 3948, 4603
CAUTERY: 2040
CAVERNOUS SINUS: 2600
CECAL DISEASES: 706
CECUM: 2819, 3197, 3478
CELIAC DISEASE: 669
CELL ADHESION: 913, 999, 2400, 3219, 3664
CELL AGGREGATION: 563, 710, 1220, 1720, 2579, 2652, 2734, 4542
CELL COUNT: 3, 139, 666, 708, 725, 856, 913, 920, 1074, 1241, 1620, 1681, 1782, 1979, 2003, 2014, 2483, 2497, 2502-2503, 2740, 3110, 3138, 3753, 4046, 4148, 4392, 4479, 4655
CELL DIFFERENTIATION: 339, 662, 710, 916, 1407, 1501, 1768, 1962, 2156, 2269, 2564, 2684, 2732, 2967, 3189, 3304, 3454, 3567, 3687, 3845, 4232, 4239, 4320, 4409, 4471, 4535, 4580
CELL DIVISION: 83, 155, 290, 346, 404, 841, 913, 1057, 1335, 1498, 1530, 1630-1631, 1804, 1845, 1904, 1979, 2051, 2083, 2269, 2313, 2627, 2645, 2727, 2732, 2740, 2748, 2763, 2787, 2834-2835, 2932, 3040, 3138, 3158, 3174, 3211, 3289, 3454, 3560, 3606, 3698, 3744, 3748, 3792, 3845, 3880, 3986, 4013, 4086, 4229, 4385, 4393, 4409, 4419, 4467, 4572, 4612, 4657
CELL FRACTIONATION: 51, 53, 480, 529, 838, 981, 1036, 1098, 1100, 1378, 1806, 1874, 1895, 1980, 2045, 2305, 2652, 2900, 3015, 3057, 3284, 3422, 3493, 3535, 3597, 3608, 3776-3777, 3940, 4075, 4125, 4382
CELL-FREE SYSTEM: 165, 627, 999, 2093, 2151, 3088, 3552, 3718, 3819, 4013, 4162, 4361
CELL FUSION: 1373, 3137
CELL LINE: 83, 103-104, 309, 354, 445, 880, 1057, 1123, 1198, 1245, 1329, 1424, 1537, 1556, 1630-1631, 1772, 1804, 2045, 2051, 2136, 2170-2171, 2314, 2526, 2639, 2732, 2787, 2834-2835, 2884, 3045, 3174, 3341, 3560, 3602, 3607, 3708, 3718, 3748, 3792, 3807, 3847, 4013, 4086, 4172, 4199, 4236, 4393, 4447, 4542, 4646, 4664
CELL MEMBRANE: 45, 51, 112, 153, 214, 230, 272, 290, 298-299, 309, 329, 396, 543, 587, 615, 747, 836, 846, 987, 1027, 1041, 1058-1059, 1068, 1100, 1220, 1231, 1267, 1324, 1339, 1378, 1505, 1538, 1547, 1581, 1645, 1665, 1670, 1816, 1822, 1833, 1845, 1871, 1895, 1898, 1987-1988, 2033, 2045, 2055, 2142, 2175-2176, 2225, 2267, 2324-2325, 2366, 2409, 2420, 2435, 2484-2487, 2517-2518, 2532, 2627, 2705-2706, 2744, 2785, 2810, 2841, 3029, 3045, 3050, 3066, 3074, 3095, 3126, 3137, 3158, 3219, 3228, 3238, 3271, 3289, 3335, 3341, 3372, 3385, 3410, 3423, 3508, 3513, 3515, 3543, 3600, 3604, 3639, 3685, 3703, 3722, 3776-3777, 3813, 3953, 3978, 4016, 4089, 4098, 4112, 4180, 4214, 4264, 4294, 4316, 4361, 4385, 4451, 4467, 4471, 4497, 4499, 4664, 4670
CELL MEMBRANE PERMEABILITY: 174, 276, 329, 431, 805, 944, 1233, 1335, 1387, 1539, 2225, 2681, 3634-3635, 3848, 3851, 4379, 4499, 4581-4582
CELL MIGRATION INHIBITION: 485, 2592, 3487
CELL MOVEMENT: 172, 225, 272, 346, 812, 1231, 1260, 2159, 2332, 2366, 2483, 3219, 3300, 3664, 3834, 4028, 4224
CELL NUCLEOLUS: 181, 393, 1027, 2537, 2898, 3077, 3199, 3672, 4016, 4365
CELL NUCLEUS: 194, 339, 354, 381, 389, 393, 477, 480, 529, 555, 576, 664, 809, 844, 981, 1000, 1027, 1033, 1100, 1129, 1231, 1258, 1422, 1424, 1702, 1709, 1745, 1768, 2033, 2047, 2094, 2122, 2129, 2161, 2163, 2296, 2465, 2474, 2537, 2591, 2629, 2666, 2816, 2932, 3015, 3066, 3077, 3121, 3192, 3199, 3224, 3248, 3279, 3350, 3493, 3496, 3535-3536, 3563, 3653, 3672, 3681, 3715, 3788, 3792, 3808, 3819, 3912, 3928, 3976, 4016, 4075, 4294, 4385, 4460, 4610, 4650, 4671
CELL SEPARATION: 913, 916, 1059, 1074, 1353, 1544, 1751, 2744, 2763, 3176, 3588, 3845, 4232
CELL SURVIVAL: 48, 103, 139, 310, 809, 1567,

SUBJECT INDEX

- 1699, 1833, 2045, 2526, 2732, 3532, 3750, 4041, 4447
- CELL TRANSFORMATION, NEOPLASTIC: 83, 1013, 2170-2171, 2297, 2834-2835, 3138, 3157-3158, 3289, 3748, 3753, 4542
- CELL WALL: 607, 1292, 1381
- CELLOPHANE: 1422
- CELLS: 1096, 1530, 3061, 3335, 4147
- CELLS, CULTURED: 103-104, 142, 445, 454, 458, 519, 680, 710, 743, 819, 846, 880-881, 904, 913, 999, 1052, 1058, 1162, 1353, 1504, 1685, 1725, 1772, 1844, 1990, 2012, 2129, 2139, 2166, 2191, 2269, 2314, 2356, 2400, 2476, 2517, 2527, 2603, 2623, 2784, 2842, 2956, 2969, 3004, 3006, 3138, 3158, 3199, 3247, 3288-3289, 3400, 3410, 3475, 3498, 3508, 3532, 3535, 3544, 3570, 3687, 3740, 3761, 3820, 3845, 3925, 4014, 4199, 4226, 4232, 4239, 4254, 4314, 4409, 4535, 4542, 4572, 4612, 4655, 4660, 4689
- CELLULAR INCLUSIONS: 339, 439, 845, 907, 1032, 1052, 1258, 1473, 2033, 2313, 2410, 3224, 3715, 3803, 4235
- CELLULOSE: 4346
- CELLULITIS: 151, 4027
- CELLULOSE: 2305, 2616, 3980, 4127
- CENTRAL NERVOUS SYSTEM: 331, 649, 1272, 1301, 1775, 2276, 2324, 2594, 2928, 3221, 3427, 3543, 3613, 3881, 4101, 4394, 4552
- CENTRAL NERVOUS SYSTEM DISEASES: 1018, 2215, 2271, 2276, 3769
- CENTRAL VENOUS PRESSURE: 526, 2689, 3451, 4051, 4356
- CENTRIFUGATION: 1979, 4498, 4528
- CENTRIFUGATION, DENSITY GRADIENT: 51, 157, 351, 529, 651, 749, 894, 916, 981, 1074, 1086, 1171, 1294, 1377, 1460, 1589, 1895, 1897, 1990, 2034, 2274, 2296, 2305, 2518, 2704, 2787, 3015, 3065, 3234, 3385, 3395, 3493, 3516, 3563, 3808, 4091, 4382, 4461, 4520, 4646
- CENTRIFUGATION, ISOPYCNIC: 1806, 2763, 3421, 4578
- CENTRIFUGATION, ZONAL: 2344, 2803
- CEPHALINS: 1479, 2376
- CEPHALOMETRY: 1269, 1283
- CEPHALOSPORINS: 1248, 2714
- CERAMICS: 3933
- CEREBELLAR ATAXIA: 1682
- CEREBELLAR CORTEX: 1663, 3060, 3298
- CEREBELLAR NEOPLASMS: 1437, 2457, 2913, 3069
- CEREBELLAR NUCLEI: 3362
- CEREBELLUM: 437, 581, 1838, 2062, 2173, 2275, 2458, 2736, 2759, 2928, 2940, 3486, 3553, 3654, 4488
- CEREBRAL ANEURYSM: 2600
- CEREBRAL ANGIOGRAPHY: 1437, 2167, 2600, 3963
- CEREBRAL ARTERIES: 1437
- CEREBRAL CORTEX: 137, 314, 321, 342, 469, 486, 521, 581, 619, 799, 911, 1004, 1142, 1338, 1369, 1638, 1708, 1728, 1802, 1838, 2051, 2062, 2113, 2118, 2173, 2315, 2377, 2474, 2634, 2719, 2808, 2816, 2928, 3003, 3060, 3161, 3205, 3298, 3553, 3627, 3654, 3712, 3791, 3882, 3909, 3989, 4252, 4488, 4497
- CEREBRAL CORTEX DECORTICATION: 1886, 2275
- CEREBRAL EMBOLISM AND THROMBOSIS: 2569, 4432
- CEREBRAL HEMORRHAGE: 1466, 2068, 2862, 3981, 4312
- CEREBRAL ISCHEMIA, TRANSIENT: 1466, 2167, 4576
- CEREBRAL PALSY: 1654, 3362
- CEREBRAL VENTRICLE NEOPLASMS: 1437, 3069, 3963, 4065
- CEREBRAL VENTRICLES: 61, 398, 559, 974, 1151, 1437, 2516, 2780, 2926, 3039, 3060, 3257, 3641, 3781, 3861, 3981, 4375
- CEREBROSIDES: 2175
- CEREBROSPINAL FLUID: 937, 974, 3664
- CEREBROSPINAL FLUID PROTEINS: 2374
- CEREBROSPINAL OTORRHEA: 1185
- CEREBROSPINAL RHINORRHEA: 1185, 4490
- CEREBROVASCULAR CIRCULATION: 996, 1894, 3143, 3168, 4496
- CEREBROVASCULAR DISORDERS: 95, 775, 868, 1466, 2068, 3143, 3338
- CERULOPLASMIN: 186, 1404, 1695, 2250, 3175
- CERUMEN: 3218
- CERVICAL PLEXUS: 1686
- CERVICAL VERTEBRAE: 3487
- CERVIX DISEASES: 1798, 4376, 4546
- CERVIX INCOMPETENCE: 2466
- CERVIX MUCUS: 1153, 1741, 2751, 3075, 4583-4584
- CERVIX NEOPLASMS: 502, 683, 731, 949, 2314, 2846, 2889, 2933, 4145, 4369
- CERVIX UTERI: 708, 1024, 1153, 1969, 3233
- CESAREAN SECTION: 111, 498, 527, 1166, 1471, 4269, 4308
- CESIUM: 189, 351
- CESIUM RADIOISOTOPES: 189, 293, 3595, 3750
- CESTODA: 275, 3009
- CESTODE INFECTIONS: 3009
- CETOMACROGOL: 1505
- CETYLPIRIDINIUM: 354
- CHARCOAL: 141, 796, 1219, 2056, 2220, 2480, 3052, 3287, 3550
- CHEEK: 2839
- CHELATING AGENTS: 52, 1089, 1282, 2062, 2620, 2625, 2806, 2947, 3182, 3402, 4498, 4502, 4582
- CHEMICAL INDUSTRY: 3853
- CHEMISTRY: 15, 38, 231, 739, 781, 923, 1200, 1597, 1638, 1647, 1713, 1759, 1918, 1935-1936, 1994, 2023, 2127, 2148, 2173, 2638, 2804, 2823, 2918, 2988, 3058, 3244, 3274, 3296, 3329, 3543, 3848, 3891, 3899, 3915, 4047, 4057, 4200, 4441, 4540, 4693
- CHEMISTRY, ANALYTICAL: 2209, 4079
- CHEMISTRY, CLINICAL: 1099, 1484, 2380, 2533, 3940
- CHEMISTRY, PHYSICAL: 345, 826, 4275
- CHEMORECEPTORS: 594, 2802, 3185, 4101
- CHEMOTAXIS: 677, 710, 1808, 2021, 2652, 2734
- CHENODEOXYCHOLIC ACID: 4250
- CHENOPodium: 223
- CHICK EMBRYO: 83, 439, 678, 902, 987, 1000, 1450, 1486, 1652, 1762, 1959, 2313, 2578, 2684, 2727, 2882, 2894, 2942, 2983, 3004, 3040, 3157, 3176, 3247, 3365, 3380, 3498, 3553, 3557, 3852, 3907, 3949, 4393, 4425, 4657
- CHICKENPOX: 3977
- CHICKENS: 80, 90-91, 202-203, 254, 357, 367-368, 465, 499, 529, 546, 679, 754, 821, 1129-1130, 1168, 1188, 1310, 1368, 1436, 1446, 1485, 1553, 1596, 1609-1610, 1671, 1683, 1715, 1762, 1768, 1817, 1959, 2170, 2261, 2296, 2490, 2557, 2584, 2696, 2755, 2887, 2950, 3195, 3334, 3377, 3480, 3568, 3573-3574, 3675, 3757, 3795, 3798, 3802-3803, 3962, 4135, 4256, 4413, 4425, 4617
- CHILD: 4, 9, 101-102, 140, 150, 160, 200, 229, 308, 312, 319-320, 323, 333, 383, 448, 452, 460, 474, 481, 507, 539, 544, 557, 589, 591, 617, 628-629, 655, 669, 690, 695, 717, 719, 734, 737, 757, 765-766, 785-786, 788, 791, 837, 860, 875, 925, 946, 956-958, 982, 1003, 1015, 1018, 1049, 1093, 1102-1103, 1105-1106, 1114, 1157, 1161, 1177, 1201, 1232, 1239-1240, 1242, 1244, 1248, 1252, 1283, 1297, 1299, 1343, 1354, 1371-1372, 1374, 1395, 1412, 1437, 1487, 1496, 1503-1504, 1508-1509, 1524-1525, 1577, 1612, 1636, 1654, 1665-1666, 1680, 1689, 1698, 1749, 1756, 1760, 1796, 1825, 1839, 1848, 1919, 1924, 1933, 1954, 1958, 1967, 2001-2002, 2020, 2025, 2063, 2067, 2095, 2102, 2139, 2177, 2222, 2224, 2230, 2239, 2255, 2270, 2273, 2275, 2299-2300, 2319, 2330, 2361, 2365, 2383, 2415, 2439, 2454, 2457, 2462, 2469, 2471-2472, 2496, 2505, 2515, 2534, 2544-2545, 2549, 2551, 2565-2567, 2580, 2582, 2598, 2602, 2605, 2610-2611, 2637, 2647, 2659, 2673, 2680, 2711, 2713, 2722, 2738, 2752, 2769-2770, 2788, 2844, 2851, 2907, 2911, 2913-2914, 2916, 2927, 2944, 2948, 2982, 3003, 3013, 3061, 3069, 3073, 3101-3103, 3124, 3135-3136, 3150, 3182, 3186, 3196, 3239, 3281, 3309-3310, 3320, 3359, 3362, 3383, 3398, 3433, 3440-3441, 3449, 3453, 3457, 3466, 3484, 3509, 3519-3520, 3531, 3550, 3586, 3616, 3622, 3632, 3666, 3688, 3690, 3696, 3713, 3762, 3783, 3786, 3827, 3829, 3837, 3849, 3862-3863, 3868-3869, 3872, 3889, 3937, 3945, 3963, 3979, 3984, 4025, 4056, 4065, 4072, 4087, 4100, 4106, 4118-4119, 4136, 4149, 4154-4155, 4158, 4186, 4189, 4192, 4231, 4233, 4246, 4292, 4299, 4306, 4366, 4371, 4405, 4416, 4424, 4429, 4432, 4450, 4475, 4495, 4500, 4514, 4539, 4567, 4596, 4604, 4607, 4636, 4644, 4658, 4665-4666, 4672, 4679, 4684, 4688, 4692, 4722
- CHILD ABUSE: 869, 3707
- CHILD BEHAVIOR: 1524
- CHILD BEHAVIOR DISORDERS: 1269, 1612, 2916, 3786
- CHILD DEVELOPMENT: 1496, 1524
- CHILD DEVELOPMENT DEVIATIONS: 1508
- CHILD GUIDANCE CLINICS: 3124
- CHILD HEALTH SERVICES: 1285, 3399
- CHILD NUTRITION: 1524, 1837, 3849
- CHILD, PRESCHOOL: 102, 119, 288, 312, 323, 334, 452, 539, 628-629, 690, 695, 719, 734, 757, 765-766, 785-786, 808, 881, 889, 906, 925, 956, 958, 962, 1015, 1018, 1049, 1102-1103, 1105-1107, 1157, 1160, 1162, 1177, 1201, 1222, 1232, 1239-1240, 1248, 1280, 1283-1284, 1297, 1300, 1352, 1371-1372, 1374, 1403, 1437, 1450, 1503-1504, 1509, 1524, 1612, 1654, 1723, 1749, 1796, 1880, 1944, 1967, 2020, 2025, 2037, 2043, 2063, 2067, 2095, 2102, 2230, 2239, 2275, 2283, 2300, 2319, 2330, 2361, 2415, 2426, 2439, 2454, 2457, 2471, 2473, 2505-2506, 2545, 2549, 2565, 2580, 2598, 2605, 2610-2611, 2637, 2659, 2738, 2752, 2769, 2844, 2907, 2911, 2913-2914, 2916, 2982, 3061, 3069, 3101, 3134-3136, 3182, 3186, 3196, 3281, 3320, 3362, 3433, 3440-3441, 3449, 3453, 3457-3458, 3472, 3509, 3519-3520, 3551, 3616, 3632, 3666, 3688, 3707, 3760-3762, 3783, 3827, 3829, 3837, 3849, 3867, 3872, 3889, 3925, 3945, 3979, 3984, 4022, 4065, 4069, 4072, 4106, 4155, 4158, 4192, 4231, 4246, 4306, 4324, 4432, 4475, 4495, 4500, 4556, 4604, 4666, 4722
- CHILD REARING: 2844
- CHIMERA: 563, 939
- CHIMPANZEES: 864, 2768, 3431, 4556, 4614
- CHINCHILLAS: 206, 730, 2044, 3168, 3193, 3959
- CHIROPTERA: 568, 4035
- CHLAMYDOMONAS: 1495
- CHLORAL HYDRATE: 2039
- CHLORALOSE: 1208, 3223
- CHLORAMBUCIL: 479, 2777, 2843, 3258, 3514, 3652, 4041
- CHLORAMINES: 2055
- CHLORAMPHENICOL: 135, 302, 842, 1388, 1495, 1736, 4682, 4719
- CHLORDAN: 1944
- CHLORDIAZEPOXIDE: 4407
- CHLORIDES: 56, 267, 278, 329, 459, 484, 742, 829, 852, 1416, 1475, 1693, 1742, 1840, 2143, 2387, 2389, 2451, 2470, 2729, 2872, 2977, 3055, 3129, 3235, 3818, 4437, 4561
- CHLORIMIPRAMINE: 3331, 4705
- CHLORINE: 267, 459, 2451, 2682, 4570
- CHLORISONDAMINE: 3921
- CHLORMADINONE: 317, 1536, 2008, 2693, 3032, 3133, 3764, 3918, 4441
- CHLORMEQUAT: 2262
- CHLORMERODIN: 3967
- P-CHLOROAMPHETAMINE: 1361, 1363
- CHLOROBENZENES: 1430, 3315
- CHLOROFORM: 584, 1539-1540, 2287, 2743
- CHLOROHYDRINS: 1134
- CHLOROMERCURIBENZOATES: 730, 1377
- P-CHLOROPHENYLALANINE: 481, 487, 816, 1820, 1841, 2576, 2782, 3434, 3537, 3553, 4252, 4554
- CHLOROPHYLL: 1495, 3318
- CHLOROPLASTS: 257, 1495, 3318, 4316
- CHLOROQUINE: 734, 2677, 3400, 3729
- CHLOROTHIAZIDE: 3292
- CHLORPHENIRAMINE: 1896, 2685
- CHLORPROMAZINE: 178, 455, 626, 1912, 2061, 2103, 2328, 2573, 2648, 2651, 2995, 3211, 3482, 3650, 3855, 3904, 4012, 4121, 4394, 4462, 4684
- CHLORPROPAMIDE: 4625
- CHLORPROTHIXENE: 3534
- CHLORTETRACYCLINE: 1830, 3287
- CHLORTHALIDONE: 1443
- CHOLANGIOGRAPHY: 4695
- CHOLANGITIS: 3649
- CHOLECALCIFEROLS: 254, 529, 572, 673, 729, 864, 954, 1129, 1410, 1713, 1738, 2577, 2749, 2946, 3378, 3503, 3723
- CHOLECYSTECTOMY: 2130, 3717

SUBJECT INDEX

- CHOLECYSTOGRAPHY:** 2234, 4250
CHOLECYSTOKININ: 294, 1218, 1288, 2819
CHOLELITHIASIS: 886, 4250
CHOLERA: 458, 1548, 1845, 2100, 2175, 3115, 4179
CHOLERA VACCINE: 2101
CHOLESTASIS: 825, 886, 1375, 2385, 2783, 3133
CHOLESTENES: 419
CHOLESTEROL: 60, 65, 124, 135, 147, 263, 362, 430, 497, 519, 598, 759, 876-877, 886, 1130, 1139, 1186, 1214, 1301, 1375, 1381, 1387, 1468, 1511, 1602, 1624, 1629, 1742, 1744, 1790, 2018, 2032, 2256, 2303, 2339, 2377, 2533, 2540, 2871, 2815, 2984, 3046, 3138, 3144, 3200, 3386, 3425, 3492, 3526, 3642, 3725, 3825, 4096, 4236, 4250, 4457, 4492-4493, 4618
CHOLESTEROL, DIETARY: 2339
CHOLESTYRAMINE: 1375, 2339, 2385, 2538
CHOLIC ACIDS: 359
CHOLINE: 394, 1498, 1693, 2326, 2682, 2813, 3936, 4226
CHOLINE ACETYLTRANSFERASE: 4287
CHOLINESTERASE INHIBITORS: 4262
CHOLINESTERASES: 201, 1209, 1372
CHONDRODYSSTROPHIA CALCIFICANS CONGENITA: 2471, 3456-3457
CHONDROITIN: 354, 785, 902, 2283, 3666, 3795, 3893
CHONDROMA: 2770
CHONDROSARCOMA: 3266
CHOREA: 2573, 3362
CHOREA, HEREDITARY: 178, 216-217, 1886, 4578
CHORIOADENOMA: 72, 4144, 4220
CHORIOCARCINOMA: 72, 200, 874, 1037, 1408, 1461, 1502, 1546, 1920, 1950, 2133, 2149, 2366, 2910, 2971, 3030, 3348-3349, 3991, 4144-4145, 4220, 4406
CHORION: 365, 2240, 3852
CHORISTOMA: 437, 3830, 4087
CHOROID: 3105
CHOROID NEOPLASMS: 4406, 4573
CHOROID PLEXUS: 3972
CHOROIDITIS: 435
CHROMAFFIN SYSTEM: 136, 926, 1040, 1539, 1970, 2841, 3234-3235, 3304, 3352, 4180
CHROMATIDS: 3090
CHROMATIN: 307, 313, 381, 480, 529, 1115, 1119, 1207, 1231, 1533, 1589, 1609-1610, 1702, 1768, 2047, 2163, 2251, 2296, 2866, 2884, 3535, 3912, 3976, 4075
CHROMATOGRAPHY: 121, 141, 165, 354, 356, 893, 987, 997, 1314, 1429, 1484, 1551, 1626, 1934, 2019, 2085, 2283, 2305, 2308, 2380, 2407, 2490, 2666, 3148-3149, 3511, 3537, 3891, 4219, 4276, 4340, 4351, 4578, 4614
CHROMATOGRAPHY, AFFINITY: 322, 575, 651, 1494, 2296, 2795, 2848, 2887, 3126, 3590, 3685, 3741, 4124, 4297, 4382
CHROMATOGRAPHY, AGAROSE: 2579
CHROMATOGRAPHY, DEAE-CELLULOSE: 27, 112, 234, 257, 322, 381, 952, 1294, 1314, 1382, 1431, 1669, 1718, 1794, 1926, 1989, 2308, 2803, 2990, 3288, 3408, 3488, 3673, 3893, 4156, 4174, 4259, 4434, 4438, 4449, 4502
CHROMATOGRAPHY, EXCLUSION: 344, 1608
CHROMATOGRAPHY, GAS: 24, 363, 384, 584, 652, 890, 923, 997, 1213, 1506, 1634, 1795, 1874, 2210, 2256, 2380, 2680, 3034, 3313, 3330, 3447, 3566, 3604, 3759, 3775, 4034
CHROMATOGRAPHY, ION EXCHANGE: 24, 27, 198, 358, 480, 574-576, 679, 692, 727, 823, 981, 997, 1294, 1368, 1431, 1494, 1630, 1647, 1718, 1745, 1767, 1926, 2018, 2085, 2157, 2214, 2296, 2464, 2507, 2526, 2620, 2743, 3141, 3408, 3488, 3494, 3508, 3516, 3561, 3677, 3936, 3953, 3980, 4215, 4358
CHROMATOGRAPHY, PAPER: 198, 311, 404, 873, 885, 1238, 1382, 1909, 1943, 2240, 2480, 2714, 2743, 3052, 3250, 3385, 3890, 3972, 4133, 4614
CHROMATOGRAPHY, THIN LAYER: 75, 582, 679, 819, 822-824, 997, 1134, 1176, 1294, 1406, 1795, 1834, 1908, 1939, 1972, 2132, 2256, 2274, 2310, 2371, 2396, 2488, 2507, 2714, 3034, 3167, 3313, 3329, 3352, 3425, 3447, 3465, 3643, 3745, 3905, 4012, 4034, 4113, 4122, 4125, 4133, 4160, 4200, 4203, 4215-4216, 4367, 4521, 4543
CHROMATOPHOES: 230
CHROMIUM-COBALT ALLOYS: 3933, 4530
CHROMIUM RADIOISOTOPES: 48, 126, 501, 608, 742, 1587, 2053, 3190, 3607, 3813, 4041
CHROMONES: 4707
CHROMOSOME ABERRATIONS: 188, 209, 349, 454, 490, 815, 1052, 1170, 1196, 1277, 1293, 1330, 1343, 1403, 1456, 1476, 1691, 1863, 2110, 2582, 2959, 3090, 3294, 3474, 3847, 3949, 4035, 4394, 4401, 4420, 4422, 4431, 4505, 4572, 4596, 4662
CHROMOSOME ABNORMALITIES: 454, 490, 813, 1052, 1251, 1277, 1775, 2020, 2348, 3294, 4391, 4548, 4662
CHROMOSOME DELETION: 2520, 3474, 4505
CHROMOSOME MAPPING: 188, 349, 1053, 1196, 1537, 2054, 2110, 2520, 2923, 3847, 4029, 4229, 4505
CHROMOSOMES: 209, 313, 490, 666, 1021, 1115, 1170, 1277, 1403, 1491, 1533-1534, 1691, 1702, 1851, 2171, 2521, 3011, 3066, 3396, 4016, 4035, 4086, 4572, 4656
CHROMOSOMES, HUMAN, 1-3: 3294
CHROMOSOMES, HUMAN, 4-5: 813, 1476
CHROMOSOMES, HUMAN, 6-12: 4596
CHROMOSOMES, HUMAN, 13-15: 490, 695, 813, 1343, 1476, 1775, 4548
CHROMOSOMES, HUMAN, 16-18: 490, 691, 695, 813, 1476, 1775, 4548
CHROMOSOMES, HUMAN, 21-22: 813, 1279, 1343, 1476, 1775, 2657, 3294
CHRONIC DISEASE: 84, 435, 466, 503, 650, 655, 828, 1011, 1026, 1143, 1262, 1450, 1458, 1827, 1921, 1957, 2069, 2075-2077, 2193, 2259, 2492, 2494, 2551, 2595, 2669, 2685, 2829, 2888, 2908, 3080, 3120, 3359, 3569, 3652, 3693, 3752, 3821, 3853, 3916, 4169, 4230, 4262, 4267, 4293, 4324, 4447, 4459, 4489, 4494
CHYLOMICRONS: 1406
CHYMOTRYPSIN: 1265, 2260, 3644, 4483, 4696
CI 828: 753, 3006
CICATRIX: 2058
CILIA: 398, 1473
CILIARY BODY: 2975, 3969, 4317
CINANSERIN: 215
CIRCADIAN RHYTHM: 256, 288, 336, 464, 522, 643, 841, 934, 943, 996, 1155, 1187, 1257, 1302, 1439, 1637, 1664, 1670, 1754, 1893, 1961, 2039, 2080, 2218, 2276, 2278, 2458, 2595, 2651, 2761, 2868, 2973, 3093, 3132, 3150, 3350, 3361, 3518, 3545, 3559, 3581, 3662, 3814, 3877, 3880, 3882, 3901, 4170, 4240, 4357, 4481, 4681, 4684
CIRCULAR DICHROISM: 344-345, 826, 2386, 2785, 3041
CIRCUMCISION: 2844
CISTERNA MAGNA: 1382, 4554
CITRATE SYNTHASE: 359, 2344, 2552
CITRATES: 1213, 3355
CITROBACTER: 2262
CITROVORUM FACTOR: 3315, 3706
CLAUSTRUM: 314
CLEFT LIP: 507
CLEFT PALATE: 507, 1570, 1757, 1855, 3979
CLIMACTERIC: 781, 2075, 3270, 3448, 3992, 4399
CLITORIS: 2996
CLOACA: 3901
CLOFAZIMINE: 2416
CLOFIBRATE: 624, 2912, 4625
CLOMPHENE: 147, 493, 638, 861, 1108, 1213, 1247, 1273, 1594, 1875, 1890, 2107, 2185, 2194, 2483, 2687-2688, 2796, 2941, 2965, 3032, 4376, 4415, 4694
CLONE CELLS: 290, 458, 710, 1058, 1123, 1245, 1772, 2054, 2269, 2657, 2764, 3580, 3706, 4238
CLONIDINE: 1651
CLOSTRIDIOPEPTIDASE A: 310, 840, 912, 2228, 2636, 3395, 3590
CLOSTRIDIUM: 224, 1520, 2228
CLOSTRIDIUM INFECTIONS: 1520
CLOSTRIDIUM PERFRINGENS: 2756, 3313, 4309
CLOSTRIDIUM TETANI: 677
CLOT RETRACTION: 1414, 4064
CLOZAPINE: 1369
CLUBFOOT: 3979, 4495, 4500
COBALT: 1505, 1531, 2642, 2872, 3822, 4530
COBALT RADIOISOTOPES: 103-104, 1253, 2159, 3069, 3663, 3785, 4118, 4374, 4528
COBAMIDES: 3458
COCAINE: 735, 941, 2253, 3884
COCCIDIOIDES: 2933
COCCIDIOSIS: 1081, 3334, 3568, 3803
COCHLEA: 4624
CODEINE: 5, 226
CODON: 3552
COELENERATA: 2530
COENZYME A: 4207
COENZYME A SYNTHETASES: 2389, 4207
COENZYMES: 3507, 4592
COGNITION: 625, 1496, 2610, 3881
COITUS: 71, 1523, 1982, 2039, 2548, 2789, 2811, 3339, 3407
COLCHICINE: 973, 2538, 2999, 3443, 3588, 3743, 3828, 4657
COLD: 189, 414, 520, 623, 968, 1175, 1360, 1379-1380, 1471, 1617, 1659, 2084, 2806, 2848, 3064, 3093, 3184, 3370, 3447, 4208, 4273, 4582
COLECTOMY: 312, 1577
COLIC: 111, 4640
COLICINS: 1721
COLIPHAGES: 1125, 3238
COLITIS: 1131
COLITIS, ULCERATIVE: 312, 827, 1239, 1307, 1577, 2819, 3934, 4621
COLLAGEN: 176, 439, 725, 763, 840, 902, 912, 918, 1391, 1567, 1570, 1836, 1884, 2272, 2333, 2712, 2993, 3130, 3194, 3288, 3380, 3795, 3880, 4064, 4123, 4544-4545, 4565
COLLAGEN DISEASES: 2331, 3208, 3717, 4459, 4668
COLLATERAL CIRCULATION: 828, 2408, 2711
COLLES' FRACTURE: 2985
COLLOIDS: 1190, 1355, 3335, 3828, 3967
COLON: 85, 283, 294, 658, 827, 852, 1131, 1593, 1676, 2040, 2810, 2819, 2950, 4062
COLONIC DISEASES: 3171
COLONIC DISEASES, FUNCTIONAL: 2819
COLONIC NEOPLASMS: 473, 654, 723, 1133, 1296, 1520, 3394, 4424, 4721
COLOR: 231, 2372, 2567, 4373, 4598
COLOR BLINDNESS: 3550
COLOR PERCEPTION: 760, 1054
COLORIMETRY: 68, 1243, 1704, 2009, 2946, 3068, 4373
COLOSTOMY: 706, 1577
COLOSTRUM: 1394, 2217, 2790, 4466
COLPOSCOPY: 874, 4369
COMA: 1598, 2859, 4238
COMB AND WATLES: 3480, 3962
COMMERCE: 4061
COMMUNICABLE DISEASES: 3322
COMMUNICATION: 2070
COMMUNITY HEALTH SERVICES: 798, 2854
COMMUNITY MENTAL HEALTH SERVICES: 3399
COMMUNITY PHARMACIES: 1896
COMPLEMENT: 161, 168, 608, 787, 1538, 1751, 2152, 2592, 3219, 3386, 3659, 3684, 3717, 3845, 4467
COMPLEMENT 1: 3717
COMPLEMENT 3: 1990, 2586, 3717
COMPLEMENT 4: 3717
COMPLEMENT 5: 3717
COMPLEMENT 6: 3717
COMPLEMENT 7: 3717
COMPLEMENT FIXATION TESTS: 746, 1371, 3889, 4227
COMPOUND 48-80: 732, 1529, 1538
COMPUTERS: 2380, 3639
COMPUTERS, DIGITAL: 65, 256, 656, 756, 807, 1031, 1286, 1396, 1702, 2441, 3319, 3416, 3483, 3775, 4014, 4277
CONCANAVALLIN A: 662, 806, 1158, 1335, 2170, 2527, 2744, 3100, 3164, 3238, 3659, 3685, 4232, 4447, 4542
CONDITIONING, CLASSICAL: 1301, 2311, 2335
CONDITIONING, OPERANT: 424, 1379, 3047
CONFUSION: 4576
CONJUGATION, GENETIC: 1721
CONJUNCTIVA: 353, 1451, 2040, 4573
CONJUNCTIVITIS: 4483
CONNECTIVE TISSUE: 520, 2033, 2839, 3433, 4047, 4123, 4379
CONNECTIVE TISSUE CELLS: 1078, 1355,

SUBJECT INDEX

- 4298
 CONSANGUINITY: 1848, 2582, 2968, 3227, 3232, 4072, 4154, 4386, 4548
 CONSCIOUSNESS: 1379, 4108, 4353
 CONSCIOUSNESS DISORDERS: 3981
 CONSTIPATION: 2819
 CONSTRUCTION: 1148, 1175, 2434, 4092
 CONTACT INHIBITION: 83, 2834, 3748
 CONTRACEPTION: 556, 689, 777, 781, 839, 1342, 2070-2071, 2082, 2355, 2683, 2854, 3311, 3399, 3407, 4058, 4333, 4529, 4708
 CONTRACEPTIVE AGENTS: 1113, 2008, 4629
 CONTRACEPTIVE AGENTS, FEMALE: 613
 CONTRACEPTIVE DEVICES: 777, 1726, 2683, 3043, 3311
 CONTRACEPTIVE DEVICES, FEMALE: 2355
 CONTRACEPTIVES, ORAL: 30, 70, 77, 144-145, 154, 186, 223, 248, 265, 283, 317, 429, 500, 556, 689, 724, 748, 775, 777, 798, 825, 931, 1017, 1136, 1157, 1170, 1192, 1277, 1284-1285, 1298, 1317, 1327, 1375, 1712, 1731, 1752, 1760, 1781, 1793, 1868, 1880, 1902, 1938, 1978, 1998, 2049, 2070-2073, 2082, 2106, 2121, 2200, 2238, 2294, 2355, 2408, 2417, 2538, 2569, 2602, 2671-2672, 2683, 2747, 2754, 2783, 2852, 2854, 2875, 2903, 3027, 3043, 3049, 3122, 3133, 3218, 3254, 3311, 3338, 3364, 3399, 3407, 3464, 3477, 3529, 3539, 3547, 3601, 3707, 3726, 3784, 3800, 3809, 3842, 3863-3864, 3944, 3992, 4058, 4095, 4176, 4267, 4285, 4289, 4372, 4474, 4492, 4546, 4668, 4683, 4687, 4690, 4711-4712, 4716
 CONTRACEPTIVES, ORAL, HORMONAL: 676, 775, 1726, 1752, 1998, 2073, 2106, 2294, 2417, 2602, 2747, 3464, 3547, 3726, 4176
 CONTRACEPTIVES, ORAL, SYNTHETIC: 30, 317, 689, 2747, 3254
 CONTRACEPTIVES, POSTCOITAL: 689, 1462, 3032, 4045, 4529
 CONTRACEPTIVES, POSTCOITAL, HORMONAL: 1726, 4529
 CONTRACEPTIVES, POSTCOITAL, SYNTHETIC: 3032
 CONTRACTIONS: 1848, 4069, 4500
 CONTRAST MEDIA: 2234, 2330, 3293, 4651, 4695
 CONVULSIONS: 332, 541, 1105, 2053, 2275, 3143, 3676, 3811, 4307, 4688
 COOMBS' TEST: 1662, 2586, 3684, 4041
 COPPER: 186, 478, 584, 689, 778, 889, 1067, 1404, 1604, 1624, 2250, 2676, 2751, 3175, 3286, 3464, 3894, 4081, 4218, 4322, 4434, 4525
 COPULATION: 125, 708, 1532, 1688, 2315, 2576, 2996, 3695, 3995, 4423, 4637
 CORN: 130, 570, 2459, 2676, 2833, 3287
 CORNEA: 278, 373, 841, 2094, 2147, 2310, 2727, 4480
 CORNEAL OPACITY: 1848, 2147
 CORNEAL ULCER: 2822
 CORONARY CIRCULATION: 46, 526, 2949, 2966, 4353
 CORONARY DISEASE: 46, 145, 175, 1464, 2829, 3814
 CORONARY VESSELS: 46, 123, 940, 1014, 2949-2950, 4502
 CORPORA QUADRIGEMINA: 91, 3298
 CORPUS CALLOSUM: 1105, 1208, 3963
 CORPUS LUTEUM: 157, 271, 287, 440, 451, 525, 580, 671, 680, 686, 817, 851, 991, 1039, 1066, 1149, 1270, 1290-1291, 1358, 1622, 1629, 1778, 1782, 1805, 1901, 1911, 1916, 2008, 2010, 2106, 2232, 2257, 2351, 2412, 2463, 2585, 2597, 2618, 2626, 2632, 2729, 2810, 2817-2818, 2935, 2974, 3207, 3335, 3510, 3522, 3613, 3815, 3990, 4161, 4184, 4228, 4289, 4294, 4446, 4451, 4507, 4562, 4618-4619
 CORPUS LUTEUM CYST: 1149
 CORPUS LUTEUM HORMONES: 1726
 CORPUS STRIATUM: 216, 1159, 1369, 1503, 1708, 1838, 2093, 2126, 2546, 2667, 2759, 2808, 3203, 3486, 3882, 4261, 4407, 4488, 4603
 CORROSION: 4530
 CORTICOSTERONE: 2, 27, 53, 55, 140, 205-206, 240, 242, 347, 352, 388, 410, 424, 582, 597-598, 601, 662, 849, 873, 885, 1012, 1046, 1130, 1151, 1214, 1575, 1687, 1722, 1909, 1942, 1961, 2028, 2117, 2197, 2211, 2377, 2422, 2450, 2765, 2873, 2917, 2922, 2927, 2930, 2945, 2958, 3093, 3108, 3115, 3202, 3277, 3295, 3361, 3370, 3632, 3662, 3759, 3882, 3902, 3904, 4125, 4182, 4226, 4268, 4337, 4344, 4366, 4455, 4461, 4506, 4541, 4557-4558, 4592, 4615, 4617, 4661
 CORTICOTROPIN: 55, 106, 205, 210, 346, 388, 401, 467, 551, 567, 571, 582, 589, 597, 605, 690, 737, 774, 849, 858, 935, 1032, 1096, 1109, 1169, 1214, 1219, 1230, 1235, 1257, 1434, 1458, 1474, 1478, 1570, 1577, 1592, 1637, 1698, 1737, 1754, 1844-1845, 1907, 1942, 1966, 2055, 2114, 2120, 2136, 2192, 2233, 2250, 2276-2277, 2325-2326, 2332, 2356, 2428, 2443, 2479, 2509, 2554, 2557, 2612, 2680, 2684, 2776, 2794, 2804, 2885-2886, 2873, 2892, 2908, 3010, 3031, 3083, 3108, 3115, 3128, 3169, 3191, 3220, 3370, 3384, 3404, 3422, 3469, 3531, 3544, 3558, 3568, 3620, 3626, 3632, 3657, 3791, 3843, 3850, 3970, 4002, 4037, 4147, 4182, 4200, 4238, 4253, 4257, 4283, 4310, 4354, 4443, 4456, 4476, 4478, 4481, 4490, 4533, 4558, 4606, 4611, 4666
 CORTICOTROPIN RELEASING HORMONE : 3791, 4199
 CORTISONE: 79, 206, 330, 407, 582, 608, 686, 768, 840, 885, 1026, 1047, 1063, 1158, 1223, 1241, 1388, 1517, 1570, 1636, 1685, 1765, 1899, 1909, 2235, 2305, 2371, 2400, 2611, 2776, 2922, 2961, 3096, 3100, 3120, 3137, 3171, 3219, 3295, 3446, 3640, 3684, 3759, 3876, 3902, 4059, 4075, 4123, 4148, 4226, 4302, 4367, 4427, 4594, 4602, 4648, 4661
 CORTODOXONE: 206, 582, 892, 2357, 3902, 4541
 CORYNEBACTERIUM: 131
 CORYNEBACTERIUM INFECTIONS: 131, 4302, 4602
 COSMETICS: 491
 COSTS AND COST ANALYSIS: 360, 663, 694, 1285, 1896, 2220, 4022, 4111
 COSYNTROPIN: 2114, 4004, 4533
 COUTURNIX: 3478, 3901
 COUGH: 3085, 3383
 COUMARINS: 1600, 2746
 COUNSELING: 4685
 COUNTERCURRENT DISTRIBUTION: 2214, 3465
 COURTSHIP: 3995
 CRABS: 1038, 3368, 3675
 CRANIAL SINUSES: 898
 CRANIOFACIAL DYSOSTOSIS: 691, 1105, 1826, 2255, 2347, 2454, 3456, 4247, 4307, 4495
 CRANIOPHARYNGIOMA: 323, 1636, 2068, 2457, 2512, 2862, 3069, 3305, 3448, 3829, 4065
 CREATINE: 263, 2240, 2387
 CREATINE KINASE: 516, 1738, 2533, 3971, 4575, 4701
 CREATININE: 12, 65, 109, 130, 327-328, 484, 590, 1249, 1299, 1518, 1840, 1914, 1948, 2057, 2135, 2220, 2242, 2263, 2405, 2504, 2647, 2649, 2689, 2696, 2749, 2780-2781, 2907, 2946, 3055, 3320, 3684, 3799, 3886, 4039, 4115, 4240, 4568
 CRESOLS: 4714
 CRETINISM: 1372
 CRIGLER-NAJJAR SYNDROME: 1507
 CRIMINAL PSYCHOLOGY: 2022, 4422
 CRITICAL CARE: 1894
 CRITICAL PERIOD (PSYCHOLOGY): 249
 CROP, AVIAN: 1408, 3897
 CROSS REACTIONS: 118, 121, 864, 885, 921, 1154, 1200, 1427, 1519, 1626, 1647, 1823, 2768, 3020, 3052, 3083, 3148, 3216, 3264, 3306, 3584, 3639, 3643, 3685, 4166, 4281, 4368, 4611
 CROSSES, GENETIC: 563, 1570, 3189, 3627, 3659, 4229
 CROSSING OVER (GENETICS): 1691, 2478, 3011
 CROWDING: 1193
 CRUSTACEA: 1850, 2202
 CRYING CAT SYNDROME: 490, 2020
 CRYOGENIC SURGERY: 395, 565, 1999, 2984, 3653, 4632
 CRYOGLOBULINS: 4208
 CRYOPROTECTIVE AGENTS: 78, 900
 CRYOTHERAPY: 435, 1297
 CRYPTOCOCCUS: 3667
 CRYPTOCOCCUS NEOFORMANS: 3667
 CRYPTORCHISM: 9, 474, 532, 628, 860, 1105, 1174, 1223, 1452, 1749, 1810, 1932, 2313, 2365, 2769, 3345-3347, 3426, 3914, 4065, 4235, 4475, 4491, 4550
 CRYSTALLIZATION: 439, 510, 592, 679, 1494, 1684, 1836, 1923, 2113, 2620, 2961, 3465, 3772, 3953, 3980, 4508, 4566, 4598
 CRYSTALLOGRAPHY: 15, 3224
 CULDOSCOPY: 3113
 CULEX: 349
 CULTURE: 777
 CULTURE MEDIA: 7, 78, 310, 329, 477, 604, 664-665, 753, 1019, 1052, 1057, 1274, 1353, 1381, 1511, 1869, 1977, 1991, 1993, 2732, 2834-2835, 2974, 3192, 3671, 3798, 4254, 4572, 4580
 CUPRIZONE: 4426
 CURARE-LIKE AGENTS: 2779
 CURETTAGE: 1024, 4369
 CUSHING'S SYNDROME: 16, 392, 395, 415, 496-497, 506, 552, 567, 1073, 1234, 1637, 1723, 1847, 2001, 2210, 2276-2277, 2509, 2606, 2698-2699, 2880, 2904, 2913, 3128, 3169, 3191, 4004, 4087, 4257, 4263, 4290, 4366
 CYANATES: 1416, 1526
 CYANIDES: 298, 400, 742, 749-751, 1817, 2337, 2863, 3007, 3056, 3670, 3966, 4012
 CYANOGEN BROMIDE: 1646, 2486, 3288, 3644
 CYANOSIS: 1337
 3',5'-CYCLIC AMP PHOSPHODIESTERASE: 69, 266, 335, 1802, 2423, 2552, 3158, 3166, 3351, 3580, 3627, 3932, 3987, 4471
 CYCLIZATION: 923, 1366
 CYCLOFENIL: 3032, 3390
 CYCLOHEXANES: 887, 4426
 CYCLOHEXIMIDE: 135, 310, 486, 857, 1137-1138, 1158, 1402, 1495, 1589, 1774, 1804, 1844, 2450, 2939, 3132, 3247, 3504, 3553, 3743, 4172, 4239, 4460
 CYCLOHEXYLAMINES: 4407
 CYCLOPENTANES: 2513, 3591, 4048
 CYCLOPHOSPHAMIDE: 150, 819, 985, 1009, 1103, 1657, 1692, 1801, 1903, 1953, 1990, 2050, 2271, 2284, 2394, 2455, 2528, 2559, 2586, 2637, 2686, 2777, 2811, 3187, 3239, 3258, 3664, 3943, 4027, 4041, 4049, 4241, 4244, 4627, 4658, 4660, 4724
 CYCLOPROPANES: 2802, 3223
 CYCLOSERINE: 553
 CYCLOSTEROIDS: 599, 2662, 3081
 CYCLOSTOMES: 582, 1355, 2393, 4091, 4266
 CYNOMOLGUS MONKEYS: 1290-1291, 1554, 3775
 CYPRINIDAE: 493, 932, 986, 3295
 CYPROHEPTADINE: 330, 1282, 4487
 CYPROTERONE: 894, 1531, 2775, 2967, 3015, 3355, 3377, 3428, 3682, 4441, 4649
 CYSTADENOCARCINOMA: 393, 2629, 4341
 CYSTADENOMA: 1428, 3294, 3471, 3929, 4514, 4605
 CYSTADENOMA, MUCINOUS: 1428, 1510, 4341
 CYSTATHIONINE: 1161, 2208, 2417
 CYSTEAMINE: 3568
 CYSTEIC ACID: 2208
 CYSTEINE: 104, 561, 570, 1218, 1882, 2208, 2695, 3255, 4086
 CYSTIC FIBROSIS: 1049, 1240, 2605, 2907
 CYSTINE: 2208, 4086
 CYSTS: 87, 435, 495, 534, 647, 800, 804, 2264, 2631, 2911, 3988, 4106, 4386
 CYTARABINE: 486, 937, 1692, 1801, 2271, 2637, 2732, 3187, 3561, 3743, 4086, 4660
 CYTIDINE: 3792, 3912
 CYTOCHALASIN B: 973, 1833
 CYTOCHALASINS: 1538
 CYTOCHROME C: 2344, 4532, 4553
 CYTOCHROME OXIDASE: 2282, 3385, 3513, 3798, 4148, 4553, 4588
 CYTOCHROME P-450: 117, 135, 933, 1314, 1581, 1624, 1669, 2338, 2570, 2642, 3680, 4124, 4268, 4511, 4524, 4570
 CYTOCHROME REDUCTASES: 2642, 3513, 4268
 CYTOCHROMES: 117, 933
 CYTODIAGNOSIS: 1428
 CYTOGENETICS: 490, 2708, 4420
 CYTOKININS: 257
 CYTOLOGICAL TECHNIQS: 2898, 3335
 CYTOLOGY: 809
 CYTOMEGALIC INCLUSION DISEASE: 2593, 3267, 4546
 CYTOPATHOGENIC EFFECT, VIRAL: 4206
 CYTOPLASM: 380, 529, 865, 914, 1027, 1154,

SUBJECT INDEX

1422, 1448, 1495, 1584, 1645, 1833, 2033, 2047,
2153, 2171, 2248, 2314, 2465, 2629, 2839, 2882,
3066, 3121, 3192, 3278-3279, 3410, 3496, 3653,
3715, 3754, 3789, 3928, 3990, 4000, 4016, 4301,
4393, 4460, 4571
CYTOPLASMIC GRANULES: 214, 281, 339,
477, 607, 844, 926, 1258, 1538, 1558, 1785,
2033, 2069, 2122, 2398, 2537, 2900, 2925, 3076,
3192, 3224, 3234-3235, 3410, 3495, 3497, 3597,
3761, 3832, 3839, 3959, 4143, 4295, 4382, 4426,
4606
CYTOSINE: 1382, 2089
CYTOSINE NUCLEOTIDES: 404, 2305, 3158,
3743, 4259
CYTOSOL: 27, 53, 113, 222, 234, 375, 389, 483,
529, 550, 575, 759, 894, 911, 1000, 1120, 1141,
1194, 1335, 1424, 1448, 1460, 1469, 1581, 1745,
1897, 1938, 2034, 2094, 2108, 2176, 2209, 2274,
2645, 2803-2804, 2887, 2980, 3008, 3015, 3074,
3278-3279, 3373, 3535, 3563, 3642, 3788, 4089,
4125, 4259, 4411, 4461, 4520
CYTOTOXICITY TESTS, IMMUNOLOGIC:
166, 608, 742, 1158, 1661, 2170, 2482, 2541,
3219, 3289, 3321, 3595, 3607, 3659, 3813, 3845,
4389, 4447

D

D 600: 1792
DACARBAZINE: 258
DACTINOMYCIN: 310, 390, 486, 553, 857,
1472, 1686, 1774, 1801, 1804, 2104, 2120, 2476,
2642, 2740, 2939, 3030, 3258, 3395, 3429, 3504,
3743, 4013, 4086, 4646, 4648
DAIRYING: 1797
DANSYL COMPOUNDS: 3844
DANTROLENE: 805
DAPSONE: 1736, 2416, 2482
DARKNESS: 934, 1608, 1769, 2276, 2734, 2868,
3224, 3504, 3796, 3848, 3880, 3882, 3901
DATA DISPLAY: 65
DAUNOMYCIN: 1801, 2271, 2637, 2740, 3664,
4660
DAY CARE: 3124
DDD: 268, 497, 1430
DDE: 1430
DDT: 1111, 1430, 1552, 2570, 3743
DEAFNESS: 175, 3003, 4154, 4500, 4624
DEAMINATION: 3534
DEAMINO ARGININE VASOPRESSIN: 3708
DEATH: 2511
DEATH, SUDDEN: 2090
DEBRIDEMENT: 4483
DECARBOXYLATION: 1624, 4206, 4251
DECEREBRATE STATE: 594, 1687, 2237,
3053
DECIDUA: 2132, 2479, 2687, 4114, 4128-4129,
4161
DEDUCTIBLES AND COINSURANCE: 1285
DEFECATION: 403, 512, 2427, 4030
DEFEROXAMINE: 2721, 3182
DEFICIENCY DISEASES: 946, 1129, 2031,
2148, 2196, 2902, 4727
DEGLUTITION: 3617
DEGLUTITION DISORDERS: 915
DEHYDRATION: 23, 111, 1620, 2954
DEHYDROEPIANDROSTERONE: 76, 155,
163, 888, 965, 1046, 1237, 1486, 1511, 1740,
2323, 2403, 2440, 2624, 3019, 3088, 3148-3149,
3240, 3285, 3518, 3632, 3759
DELAYED-ACTION PREPARATIONS: 471,
1889, 1923, 2986, 3032, 3549, 3556, 3726
DELIVERY: 789, 4115, 4131
DEMENTIA, PRESENILE: 4576
DENDRITES: 391, 967, 1663, 2895
DENERVATION: 311, 1175, 2086, 2516, 2724,
3094, 3850, 4137, 4173, 4554
DENSITOMETRY: 707, 1702, 1796, 2613, 2728,
2752, 3898
DENSITOMETRY, X-RAY: 2280
DENTAL ALLOYS: 3933
DENTAL CARIES: 2368
DENTAL CAVITY PREPARATION: 701
DENTAL ENAMEL: 1513, 1830, 1994
DENTAL ENAMEL HYPOPLASIA: 3463
DENTAL IMPLANTATION: 3933
DENTAL MATERIALS: 3933
DENTAL MODELS: 766, 4072
DENTAL OCCLUSION: 766, 2119

DENTAL OCCLUSION, TRAUMATIC: 3107
DENTAL PLAQUE: 4146
DENTAL PORCELAIN: 3933
DENTAL PROSTHESIS DESIGN: 3107
DENTAL PULP: 701
DENTAL PULP CAVITY: 2821
DENTAL STRESS ANALYSIS: 3933
DENTIN: 918, 1830, 1836, 4234
DENTIN DYSPLASIA: 2426
DENTIN SENSITIVITY: 701
DENTINOGENESIS IMPERFECTA: 2037
DENTURE, COMPLETE: 3107
DEOXY SUGARS: 442, 2342, 3776
DEOXYADENOSINE: 486, 4013, 4610, 4657
DEOXYCHOLIC ACID: 205, 1124, 2225, 2357,
2487, 4361
DEOXYCYTIDINE: 1009, 3570, 3792
DEOXYGLUCOSE: 506, 1471, 2342, 2981, 3588,
3661, 3776-3777, 4012, 4101
DEOXYRIBONUCLEASE: 98, 310, 576, 1077,
4461
DEOXYRIBONUCLEOSIDES: 1009
DEOXYRIBONUCLEOTIDES: 2409, 3807
DEOXYURIDINE: 1009, 2627, 2732
DEPRESSION: 154, 175, 178, 571, 775, 1233,
1386, 1793, 1888, 2766, 2852, 2903, 3124, 3786,
3881, 3886, 4222, 4576, 4635, 4682
DEPRESSION, BIPOLAR: 1913-1914, 4635
DEPRESSION, CHEMICAL: 28, 42, 100, 114,
182, 206, 297, 385, 390, 457, 465, 509, 545, 569,
596, 598, 604, 611, 633, 642, 658, 686, 697-698,
752, 770, 803, 840, 861, 882, 884, 917, 940, 945,
1039, 1084, 1109, 1138, 1148, 1210-1211, 1254,
1264, 1274, 1335, 1361, 1363, 1421, 1497, 1538,
1552, 1555, 1583, 1588, 1594, 1623, 1706, 1802,
1808, 1881, 1977, 1984-1985, 2006, 2021, 2038,
2099, 2184, 2208, 2212, 2219, 2229, 2232, 2252,
2257, 2305, 2314, 2319, 2340, 2412, 2499, 2501,
2513, 2524, 2574, 2585, 2744, 2758, 2767-2768,
2810, 2882, 2893, 2912, 2936, 2940, 2983, 3049,
3188, 3220-3222, 3252-3253, 3321, 3332, 3341,
3439, 3445, 3527, 3529, 3534, 3575, 3606, 3615,
3672, 3682, 3747, 3768, 3784, 3801, 3846, 3864,
3912, 3989, 4012, 4037, 4045, 4053, 4063, 4085,
4140, 4155-4156, 4160, 4195, 4222-4223, 4269,
4359, 4364, 4430, 4441, 4593, 4660, 4664
DEPRESSION, REACTIVE: 3886
DEPRESSIVE NEUROSES: 3886
DERMATAN SULFATE: 785, 880, 2283, 3893
DERMATITIS: 4069
DERMATITIS, ATOPIC: 2565
DERMATITIS, CONTACT: 1940, 2353
DERMATITIS EXFOLIATIVA: 3376
DERMATOGlyphics: 319, 691, 1516, 3196,
4410, 4495
DERMATOLOGIC AGENTS: 302
DERMATOMYOSITIS: 1189, 4701
DERMOID CYST: 1428, 4643
DESENSITIZATION: 1906
DESERT CLIMATE: 252, 4337
DESIPRAMINE: 342, 469, 596, 1195, 1912,
2667, 3331, 3527-3528, 4375
DESMOMES: 2366
DESMOSTEROL: 124
DESOXYCORTICOSTERONE: 108, 206, 352,
716, 895, 1046, 1211, 1517, 1686, 1840, 1923,
1929, 2094, 2219, 2237, 2296, 2461, 2487, 2613,
2954, 3295, 3469, 3490, 3759, 3784, 3822, 3843,
3915, 4011, 4060, 4367, 4571
DETERGENTS: 113, 210, 287, 836, 3095, 4098
DEUTERIUM: 2662, 3081, 4248
DEUTERIUM CYCLES: 670
DEVELOPING COUNTRIES: 1229, 1524,
4306, 4393
DEXAMETHASONE: 2, 53, 163, 227, 270, 296,
310, 332, 352-353, 425, 597, 610-611, 640,
734-735, 841, 896, 942, 982, 1109, 1151, 1176,
1184, 1296, 1353, 1382, 1451, 1466, 1478, 1482,
1517, 1617, 1696, 1774, 1894, 1897, 1912, 1940,
2191, 2212, 2310, 2346, 2376, 2455, 2624, 2837,
2685, 2699, 2713, 2850, 2927, 3019, 3042, 3044,
3067, 3093, 3128, 3132, 3191, 3202, 3220, 3295,
3370, 3490, 3535, 3912, 3969, 3971, 4013-4014,
4089, 4172, 4188, 4226, 4280, 4461, 4481, 4610
DEXTRAN: 247, 356, 871, 1219, 1600, 2056,
2480, 2912, 3190
DEXTRO AMPHETAMINE: 243, 596, 652,
2719, 3609, 3884, 4222, 4407, 4705
DEXTROPHAN: 1621
DEXTROTHYROXINE: 1367

DIABETES INSIPIDUS: 101, 196, 343, 424,
859, 910, 1689, 2512, 3185, 3320, 3657, 3708,
3790, 4196, 4231, 4233, 4258, 4625, 4666
DIABETES MELLITUS: 301, 428, 449, 613,
656, 669, 736, 825, 892, 925, 1002, 1035, 1139,
1233, 1246, 1282, 1489, 1689, 2339, 2671-2672,
2747, 2944, 2984, 2995, 3025, 3038, 3051, 3068,
3125, 3200, 3492, 3520, 3756, 3800, 3917-3918,
4008, 4107, 4168, 4171, 4281-4282, 4508
DIABETES MELLITUS, JUVENILE: 101, 669,
3227, 4115
DIABETIC ANGIOPATHIES: 1139
DIABETIC COMA: 449, 1598
DIABETIC DIET: 1139
DIABETIC NEPHROPATHIES: 1233, 3918
DIABETIC NEUROPATHIES: 600
DIABETIC RETINOPATHY: 301, 395, 3918,
4611
DIACETYLMORPHINE: 3613, 4726
DIAGNOSIS: 1099
DIAGNOSIS, COMPUTER ASSISTED: 49, 65,
1286, 1484, 2862
DIAGNOSIS, DIFFERENTIAL: 41, 134, 152,
305, 372, 406, 416, 523, 557, 622, 713, 762, 881,
938, 961, 974, 1078, 1088, 1145, 1242, 1283,
1286, 1318, 1340, 1357, 1461, 1483, 1576, 1579,
1598, 1658, 1679, 1717, 1783, 1906-1907, 1920,
2002, 2075, 2111, 2139, 2230, 2249, 2264, 2343,
2353, 2426, 2469, 2471, 2473, 2605, 2629, 2716,
2753, 2845, 2914, 2952, 2971, 3003, 3312, 3472,
3475, 3489, 3622, 3645, 3701, 3821, 3886, 3979,
3988, 4056, 4064, 4073, 4136, 4142, 4154, 4158,
4250, 4255, 4290, 4348, 4397, 4401, 4422, 4468,
4534, 4568, 4585, 4590, 4674, 4721, 4724-4725
DIAGNOSIS, LABORATORY: 2533, 2880
DIAGNOSIS, SURGICAL: 17, 134, 1420, 2030,
3724
DIAGNOSTIC ERRORS: 654, 1490, 1876, 2533,
2880, 3275, 3520, 3929
DIAGNOSTIC SERVICES: 798
DIALYSIS: 227, 334, 394, 710, 826, 1299, 1609,
1699, 1912, 2056, 3095, 4217
DIAMINES: 3561, 4453
3,3'-DIAMINOBENZIDINE: 1622
DIAPER RASH: 59
DIAPHRAGM: 1444, 1727, 2254, 2363
DIAPHYSEAL DYSPLASIA, PROGRESSIVE
: 2426, 2505
DIARRHEA: 84, 226, 555, 955, 1256, 1394,
1615, 2040, 2513, 2819, 3582, 4056, 4179
DIARRHEA, INFANTILE: 3849
DIATHESIS: 1398
DIATRIZOATE: 764
DIAZEPAM: 1482, 2995, 3712, 4462
DIAZOMETHANE: 1124
DIAZONIUM COMPOUNDS: 309, 4571
DIAOXIDE: 1642, 2354, 3538
DIBENZOCYCLOHEPTENES: 2807, 3331,
3534
DIBUTYRYL CYCLIC AMP: 166, 181, 267,
278, 285, 390, 408, 419, 445, 458, 462, 522, 578,
680, 770, 812, 973, 1218, 1335, 1531, 1538,
1582, 1708, 1734, 1758, 1772, 1787, 1822, 1925,
2191, 2201, 2314, 2325, 2329, 2346, 2451, 2517,
2612, 2641, 2930, 2963, 3138, 3177, 3307, 3320,
3443, 3504, 3507, 3570, 3691, 3828, 3844, 4172,
4221, 4229, 4259, 4409, 4497, 4542
DICARBOXYLIC ACIDS: 3910
DICHLOROISOPROTERENOL: 113
2,4-DICHLOROPHENOXYACETIC ACID:
5910
DICTYOSTELIUM: 710, 1220
DICYCLOHEXYLCARBODIIMIDE: 3318,
4264
DIELDRIN: 399, 702
DIENCEPHALON: 61, 467, 521, 1004, 1033,
1272, 1436, 2239, 2259, 2281, 2546, 2928, 3641
DIESTRUS: 398, 817, 1172, 1469, 1674, 1854,
1928, 2039, 2116, 2286, 2871, 3461, 3797
DIET: 130, 328, 366-368, 387, 593, 853, 886, 933,
1167, 1204, 1228, 1338, 1391, 1488, 1535, 1578,
1585, 1595, 1607, 1707, 1714, 1739, 1789, 1965,
1980, 2035, 2427, 2497-2502, 2548, 2599, 2660,
2670, 2689, 2997-2998, 3055, 3061, 3139, 3173,
3676, 3934, 3964, 4044, 4059, 4082, 4088, 4165,
4240, 4472, 4589
DIET FADS: 1677
DIET, SALT-FREE: 270, 1443, 2548, 3108,
3784, 4011, 4476, 4481
DIET THERAPY: 953, 1026, 3182, 4601

SUBJECT INDEX

DIETARY CARBOHYDRATES: 1229, 2930, 3700, 3970, 4126, 4589
DIETARY FATS: 84, 207, 891, 3132, 3394, 3887, 4185
DIETARY PROTEINS: 139, 296, 570, 593, 1735, 1980, 2099, 2577, 2676, 2722, 3132, 3803, 3970, 4022, 4589
DIETHYLSTILBESTROL: 85, 100, 147, 1479, 1498, 1881, 1923, 2313, 2412, 2479, 2524, 2596, 2755, 2837, 3006, 3144, 3287, 3428, 3473, 3618, 3682, 3766, 4514, 4704
DIFFUSION: 1857, 1923, 2986, 4494
DIGESTION: 674, 1029, 2833, 3630, 3906
DIGESTIVE SYSTEM: 3470
DIGITALIS GLYCOSIDES: 318, 1827, 1949, 3722, 3922
DIGITOXIN: 1482, 2425
DIGOXIN: 1253, 1482, 2425, 2441
DIHYDROERGOTAMINE: 1210
DIHYDROSTREPTOMYCIN: 4343
DIHYDROTACHYSTEROL: 436, 1983, 4693
DIHYDROXYACETONE: 4359
DIHYDROXYCHOLECALCIFEROLS: 204, 387-368, 1121, 1129, 1262, 1607-1608, 2749
3,4-DIHYDROXYPHENYLACETIC ACID: 4430
3,4-DIHYDROXYPHENYLISERINE: 3064
5,6-DIHYDROXYTRYPTAMINE: 1841
DIIODOTYROSINE: 784, 900, 2060, 2201
DILATATION: 1024, 1136, 1175
DIMENHYDRINATE: 3032
DIMETHADIONE: 4488
DIMETHYL SULFOXIDE: 55, 104, 749, 942, 1186, 2087, 2685, 2730, 3498, 3838
DIMETHYLAMINOAZOBENZENE: 4198
9,10-DIMETHYL-1,2-BENZANTHRACENE: 4454
DIMETHYLNITROSAMINE: 2337
DIMETHYLTRYPTAMINE: 2488-2489
DINITROCHLOROBENZENE: 877, 4183
DINITROFLUOROBENZENE: 2933
DINITROPHENOLS: 133, 180, 388, 747, 987, 1131, 1416, 3056-3057, 3870
DIOXANES: 1325
DIPHENHYDRAMINE: 1288, 1912, 3137, 3974, 4609
DIPHENOL OXIDASES: 3174
DIPHENOXYLATE: 226
DIPHENYLHYDANTOIN: 332, 728, 848, 1176, 1482, 1582, 1896, 2425, 2458, 2493, 2516, 3376, 3433, 4688
DIPHOSPHOGLYCERIC ACIDS: 4727
DIPLOCCUS PNEUMONIAE: 645, 976, 2253
DIPLOIDY: 477, 687, 1123, 1171, 3199, 3421
DIPLOPIA: 3087
DIPTERA: 329, 2251, 3214
DIPYRIDAMOLE: 462, 602, 743, 2333
ALPHA,ALPHA-DIPYRIDYL: 1882
DIROFILARIA IMMITIS: 2398
DISACCHARIDES: 2176
DISCRIMINATION LEARNING: 2174, 4030, 4347
DISEASE: 2055, 2880, 3602
DISEASE MODELS, ANIMAL: 133, 208, 592, 770, 1391, 1578, 1633, 1651, 1917, 2165, 2416, 2475, 2766, 2864, 3190, 3374, 3386, 3456, 3537, 3918, 4050-4051, 4108
DISEASE RESERVOIRS: 588
DISEASES IN TWINS: 1283, 1837, 2527, 4153, 4307
DISGERMINOMA: 200, 473, 591, 1788, 1879, 2133, 2149, 2189, 2265, 2373, 2718, 2905, 3230, 3314, 3347, 3406, 3454, 3991, 4245, 4424
DISINFECTANTS: 2166
DISLOCATIONS: 838, 3101
DISODIUM CROMOGLYCATE: 1487, 1827, 2021, 3160, 3371
DISPOSABLE EQUIPMENT: 4528
DISSEMINATED INTRAVASCULAR COAGULATION: 2376, 3122, 3749
DISULFIDES: 126, 344, 2386, 2712, 3897, 4370
DISULFIRAM: 3541, 4277
DITHIOERYTHRITOL: 259, 4442
DITHIONITE: 1882, 4124
DITHIOURETOL: 1882, 3255, 3385
DITHIZONE: 314
DIURESIS: 296-297, 709, 1488, 1667, 1840, 2088, 2162, 3185, 3293, 3320, 3325, 3490, 4053, 4196, 4213, 4622

DIURETICS: 447, 484, 910, 1112, 1180, 1613, 1707, 1827, 2162, 2534, 3220, 3293, 3601-3602, 3922, 4668, 4703
DIURETICS, MERCURIAL: 468, 2534
DIURETICS, OSMOTIC: 910, 2534
DIURETICS, SULFAMYL: 910
DIURETICS, THIAZIDE: 910, 1707, 2534, 3736
DIURNAL RHYTHM: 384, 440, 476, 590, 800, 1227, 1303, 1478, 1698, 1914, 1939, 1961, 2907, 3882, 4270, 4425, 4684
DIURON: 3318
DIVERTICULITIS: 4452
DIVERTICULOSIS, COLONIC: 2819
DMPP: 1320
DNA: 81, 98, 138, 143, 181, 194, 239, 307, 381, 421, 486, 499, 550, 685, 725, 749, 768, 821, 902, 1052, 1119, 1171, 1277, 1382, 1422, 1425, 1533-1534, 1599, 1604, 1609, 1631, 1702, 1706, 1745, 1751, 1844, 1851, 1900, 1982, 1965, 2017, 2182, 2251, 2260, 2296, 2476, 2563, 2612, 2627, 2732, 2748, 2755, 2758, 2764, 2787, 2842, 2882, 2932, 3100, 3151, 3158, 3200, 3240, 3294, 3307, 3319, 3355, 3421, 3452, 3570, 3681, 3912, 3986-3987, 4114, 4166, 4188, 4239, 4409, 4453, 4467, 4471, 4572, 4578, 4657
DNA, BACTERIAL: 1119, 1422
DNA
(CYTOSINE-5)-METHYLTRANSFERASE : 3452
DNA, NEOPLASM: 1274, 2269, 2271, 3174, 3808, 4013
DNA NUCLEOTIDYLTRANSFERASES: 146, 1422, 1745, 2305, 3951
DNA REPAIR: 749
DNA REPLICATION: 146, 181, 749, 1115, 1171, 1422, 1456, 2787, 3421, 3452, 3844, 4578, 4657
DNA, SATELLITE: 1533-1534
DNA, SINGLE STRANDED: 1422
DNA, VIRAL: 1422, 3807
DNA VIRUSES: 1125, 4453
DOG DISEASES: 332, 2008, 2040, 2741, 2904, 3005, 3162, 3492, 3686, 4464
DOGFISH: 1111, 1833, 4091
DOGS: 23, 45-46, 49, 51, 123, 136, 182, 208, 255, 293, 296, 308, 332, 370, 417, 457, 459, 478, 489, 508, 733, 749, 763, 771, 884, 910, 942, 947, 975, 977, 1062, 1132, 1147-1148, 1154, 1175, 1194, 1205, 1254, 1301, 1331, 1334, 1450, 1497, 1509, 1528, 1568, 1597, 1605, 1615, 1638, 1641-1642, 1710, 1720, 1780, 1786, 1823, 1854, 1923, 1929, 1932, 1992, 2008, 2016, 2026, 2040, 2052, 2057, 2069, 2086, 2113, 2152, 2173, 2203, 2252, 2335, 2360, 2363, 2398, 2409, 2423, 2577, 2590, 2601, 2604, 2639, 2741, 2810, 2816, 2893, 2904, 2945, 2964, 2967, 2994, 3005, 3032, 3037, 3042, 3162, 3165, 3170, 3190, 3240, 3255, 3274, 3325, 3490, 3492, 3515, 3546, 3605, 3625, 3636, 3686, 3689, 3818, 3834, 3838, 3852, 3896, 3918, 3932, 3942, 3996, 4103, 4137, 4168, 4177, 4195, 4208-4209, 4242, 4244, 4259, 4345, 4349, 4353, 4383, 4438, 4463-4464, 4491, 4507-4508, 4555, 4581, 4588, 4599, 4624, 4670, 4689
DOMINANCE, CEREBRAL: 1004
DOPA: 218, 288, 626, 1345, 2841, 3017, 3064, 3486, 3553, 3609, 3615, 3650, 4252, 4467, 4533
DOPA DECARBOXYLASE: 1182, 3017, 4487
DOPAMINE: 169, 216-218, 288, 318, 321, 331, 357, 363, 391, 413, 487, 494, 596, 626, 652, 714, 743, 849, 932, 1139, 1151, 1159, 1263, 1338, 1345, 1369, 1564, 1571-1572, 1617, 1695, 1716, 1787, 1838, 1886, 2093, 2187, 2341, 2428, 2431, 2461, 2475, 2553, 2648, 2667, 2719, 2807-2808, 2841, 2864, 2943, 2966, 3017, 3060, 3089, 3203, 3304, 3412, 3486, 3572, 3580, 3615, 3638, 3791, 3846, 3882, 3936, 3952, 4105, 4193, 4236, 4273, 4277, 4407, 4487, 4533, 4589, 4603
DOPAMINE BETA HYDROXYLASE: 218, 487, 847, 1040, 1084, 1369, 1503, 1624, 1716, 1970, 2229, 2841, 2900, 3921, 4180, 4434
DOSAGE FORMS: 1581, 2019, 3693
DOSE-RESPONSE RELATIONSHIP, DRUG: 60, 66, 104, 121, 219, 224, 258, 298, 335, 357, 387, 399, 486, 488, 493, 501, 610-611, 642, 651, 678, 752, 862, 871, 936, 973, 1022, 1067, 1072, 1089, 1207, 1218, 1221, 1260, 1263-1264, 1288, 1334, 1452, 1477, 1497, 1582, 1588-1589, 1621, 1686, 1727, 1730, 1825, 1872, 1898, 1910, 1988, 2162, 2187, 2318, 2351, 2444-2445, 2475, 2526-2527, 2538-2539, 2590, 2632, 2727, 2740,

2765, 2840, 2871, 2878, 2883, 2915, 2932, 2950, 2969, 3021, 3031, 3083, 3132, 3203, 3221, 3370, 3422, 3485, 3521, 3537, 3609, 3639, 3710, 3907, 3978, 3989, 4008, 4037, 4062, 4086, 4101, 4120, 4140, 4151, 4178, 4182, 4220, 4253, 4279, 4299, 4417, 4430, 4450, 4456-4458, 4480, 4493, 4553, 4562, 4599, 4630
DOSE-RESPONSE RELATIONSHIP, RADIATION: 103, 817, 1013, 1563, 2181, 2908, 3197, 3595, 3683
DOWN'S SYNDROME: 695, 766, 813, 1277, 1503, 1658, 2020, 2549, 2791, 3294, 4247
DOXEPIN: 3534
DRAINAGE: 721, 1370, 3218, 3305, 3947, 4027
DRINKING: 2, 409, 1770, 2406, 2954, 3330, 3501, 3941, 4332, 4417
DRINKING BEHAVIOR: 108, 252, 623, 1492, 2118, 2452, 2461, 3185, 3540, 3948
DROPERIDOL: 4587
DROSOPHILA: 1171, 1851, 2937, 3011, 3421
DROSOPHILA MELANOGASTER: 188, 1144, 1207, 1702, 1851, 2110, 2262, 2478, 2520, 2797, 2827, 2937, 3180, 3474, 4029, 4204, 4431, 4505, 4578
DRUG ABUSE: 524, 735, 829, 3993
DRUG ADDICTION: 3613, 4726
DRUG ADMINISTRATION SCHEDULE: 484
DRUG AND NARCOTIC CONTROL: 2073
DRUG ANTAGONISM: 330, 602, 774, 1199, 1381, 1772, 3243
DRUG COMBINATIONS: 30, 59, 154, 302, 308, 333, 507-508, 689, 859, 871, 982, 1275, 1317, 1388, 1638, 1726, 2688, 2713, 3133, 3254, 3281, 3434, 3451, 3458, 3764, 4349, 4529, 4690-4691, 4714
DRUG CONTAMINATION: 333, 2607
DRUG EVALUATION: 140, 178, 302, 308, 479, 492, 497, 508, 657, 660, 763, 782, 998, 1110, 1177, 1414, 1466, 1765, 1889, 1953, 2231, 2303, 2456, 2475, 2559, 2685, 2711, 2843, 2927, 3085, 3261, 3281, 3440, 3546, 3708, 4095, 4149, 4399, 4428, 4635, 4709, 4714
DRUG HYPERSENSITIVITY: 126, 1642, 3016, 3085, 3293, 4530
DRUG IMPLANTS: 451, 770
DRUG INCOMPATIBILITY: 508
DRUG INTERACTIONS: 419, 429, 462, 469, 481, 508, 579, 743, 848, 1235, 1325, 1363, 1406, 1529, 1704, 1787, 1808, 1820, 1925, 2038, 2407, 2632, 2962, 2969, 3108, 3222, 3415, 3539, 3544, 3710, 3843, 3864, 4037, 4090, 4321, 4356, 4375, 4648
DRUG RESISTANCE: 458, 1262, 1816, 2482, 2526, 3219, 3690
DRUG RESISTANCE, MICROBIAL: 721, 724, 1381, 1765, 2416, 2456, 4027
DRUG SCREENING: 508, 516, 700, 1484, 2475, 3605, 3932, 4517
DRUG STABILITY: 76, 344, 358, 672, 778, 918, 1494, 1627, 1877, 1989, 2129, 2607, 2795, 2885, 2961, 3062, 3681, 4358, 4518, 4527
DRUG STORAGE: 3731
DRUG SYNERGISM: 66, 79, 219, 419, 613, 615, 626, 657, 736, 774, 787, 792, 870, 896, 936, 1138, 1143, 1266, 1462, 1515, 1531, 1536, 1568, 1613, 1649, 1706, 2104, 2191, 2397, 2448, 2748, 3100, 3221, 3331, 3364, 3525, 3591, 3703, 3781, 3838, 3855, 4178, 4317, 4482
DRUG THERAPY: 111, 1781, 2453, 2511, 3539, 4169, 4384, 4668, 4719
DRUG THERAPY, COMBINATION: 318, 370, 626, 781, 787, 830, 985, 992, 1009, 1103, 1248, 1275, 1657, 1692, 1974, 2271, 2279, 2284, 2352, 2407, 2416, 2559, 2586, 2596, 2686, 2699, 2843, 3063, 3135, 3236, 3270, 3315, 3462, 3538, 3664, 3682, 3735-3736, 3758, 3943, 3961, 4158, 4241, 4262, 4299, 4365, 4374, 4384
DRUG TOLERANCE: 178, 660, 1080, 1472, 1820, 3620, 4233, 4635
DRUG UTILIZATION: 2082, 2854
DRUG WITHDRAWAL SYMPTOMS: 129, 770, 1338, 2767, 4222, 4261, 4669
DRUGS: 8, 923, 1195, 2380, 3143, 3940, 4219, 4552
DRUGS, NON-PRESCRIPTION: 1017, 4683, 4712
DUCKS: 53-54, 4125
DUMPING SYNDROME: 3645, 4463
DUODENAL NEOPLASMS: 4513
DUODENAL ULCER: 542, 791, 1256, 2890,

SUBJECT INDEX

3301, 3469, 4440
DUODENUM: 219, 254, 603, 1029, 1615, 2183, 2332, 2788, 3197, 3614, 3630, 3803, 4070, 4439
DUPUYTREN'S CONTRACTURE: 2718
DURA MATER: 2402
DUST: 2112
DWARFISM: 628, 691, 838, 880, 958, 1088, 1105, 1135, 1222, 1283, 1337, 1516, 1757, 1826, 1848, 2042, 2111, 2138, 2230, 2255, 2432-2433, 2471, 2959, 3101, 3103, 3196, 3227, 3276, 3456-3457, 3475, 3487, 3628, 3666, 3760, 3866, 3872-3873, 3979, 4065, 4154, 4265, 4307, 4495, 4550
DWARFISM, PITUITARY: 629, 766, 1374, 1853, 2031, 2259, 2512, 3957, 4065, 4153
DYE DILUTION TECHNIC: 2781
DYES: 316, 1032, 1173, 1632, 1916, 1934, 2370, 2424, 3095
DYSCHONDROPLASIA: 1088, 2137, 2230, 2469, 3103, 3456-3457, 3763, 4069, 4386
DYSCHONDROSTEOSIS: 3763
DYSEMERYOMA: 2343
DYSENTERY, AMEBIC: 67
DYSLEXIA: 3003
DYSMENORRHEA: 1793, 4404
DYSPLASIA: 31
DYSPEPSIA: 2970
DYSTONIA MUSCULORUM DEFORMANS: 1516

E

EAR: 732, 940, 3196, 4247
EAR CANAL: 3852
EAR DISEASES: 2713
EAR, EXTERNAL: 577, 2237, 4423
EAR, MIDDLE: 2713
EAR OSSICLES: 4624
EATING: 516, 1072, 1303, 1401, 1492-1493, 1701, 1770, 2335, 2427, 2540, 2837, 2954, 3132, 3480, 3501, 3941
ECCENTRO-OSTEOCHONDRODYSPLASIA: 766, 2138, 2230, 2330, 2472, 3456-3457, 3872
ECDYSTERONE: 419, 4580
ECHINOCOCCOSIS: 2798
ECHINOSTOMA: 1991
ECHOENCEPHALOGRAPHY: 937, 2137
ECOLOG: 209, 3848, 4337
ECTODERM: 339
ECTODERMAL DYSPLASIA: 766
ECTROMELIA: 3771, 4247
ECZEMA: 59, 2353, 2565, 3693, 4530, 4577, 4714
EDEMA: 435, 600, 810, 871, 910, 1118, 1145, 1397, 1475, 1707, 1737, 2104, 2178, 2422, 2455, 3026, 3028, 3044, 3293, 4661
EDENTATA: 560
EDTA: 52, 128, 174, 916, 1347, 1377, 1569, 2097, 2147, 2207, 2267, 2681, 2763, 2885, 3137, 3164, 3251, 4103, 4316, 4651
EDUCATION, MEDICAL, UNDERGRADUATE: 3707
EDUCATIONAL MEASUREMENT: 238
EDUCATIONAL STATUS: 798, 2082, 3399, 3407
EELS: 179
EGG PROTEINS: 1609
EGG YOLK: 78, 3138
EGGS: 1310, 1553, 2723, 4256
EGO: 625
EGTA: 1350, 1415, 3402, 4007
EHLERS-DANLOS SYNDROME: 838, 3288
8,11,14-EICOSATRIENOIC ACID: 315, 941, 4545
EIMERIA: 3568
EJACULATION: 220, 708, 1532, 1688, 2315, 2789, 2996, 3695
EJACULATORY DUCTS: 4295
ELASTIC TISSUE: 436, 2058, 2288
ELASTICITY: 1569, 3732, 4047
ELBOW: 838, 2160, 3196
ELBOW JOINT: 244
ELECTRIC CONDUCTIVITY: 329, 2467, 2955, 4112
ELECTRIC COUNTERSHOCK: 2360
ELECTRIC ORGAN: 1156
ELECTRIC STIMULATION: 22, 92, 95-96, 99, 137, 196, 215, 221, 294, 307, 329, 331, 417, 462, 514, 535, 540, 631, 745, 747, 753, 799, 847, 941-942, 944, 1040, 1042, 1175, 1208, 1217,

1592, 1596, 1651, 1693, 1780, 2011, 2022, 2046, 2067, 2115, 2118, 2126, 2172, 2239, 2275, 2281, 2359, 2431, 2467, 2614, 2813, 2945, 3047, 3277, 3328, 3502, 3548, 3596, 3612, 3638, 3702, 3791, 3834, 3850, 3861, 4020, 4038, 4117, 4121, 4171, 4213, 4360, 4462, 4522, 4603, 4637, 4654
ELECTROCARDIOGRAPHY: 250, 416, 526, 835, 842, 1279, 1543, 1799, 2183, 2360, 2858, 3451, 3751-3752, 4225, 4383
ELECTROCHEMISTRY: 4219
ELECTROCOAGULATION: 2086, 3969
ELECTRODES: 1131, 1493, 3007, 3548, 4423
ELECTRODES, IMPLANTED: 92, 1263, 1360, 1379, 2126, 2467, 2614, 3291, 3299, 3614, 4157, 4482
ELECTROENCEPHALOGRAPHY: 96, 371, 475, 937, 1018, 1042, 1230, 1269, 1507, 2118, 2137, 2315, 2326, 3291, 3451, 3811, 4121, 4383
ELECTROLYTES: 478, 1727, 3044, 3626, 3751, 4165
ELECTROMAGNETICS: 3429
ELECTROMYOGRAPHY: 1279, 1299, 1360, 3140, 3548, 3614, 4261, 4280, 4500, 4701
ELECTRON PROBE MICROANALYSIS: 2751
ELECTRON SPIN RESONANCE: 362, 1550, 1581, 1625, 1689, 4105, 4511, 4524
ELECTRON TRANSPORT: 117, 1506, 3056, 3505, 4268, 4524
ELECTRONICS, MEDICAL: 1024, 1818, 2220
ELECTRONS: 1929
ELECTROOCULOGRAPHY: 47
ELECTROPHORESIS: 707, 880-881, 1074, 1123, 2564, 2616, 2677, 2704, 3593, 3980, 4127, 4519
ELECTROPHORESIS, AGAR GEL: 2274, 3088
ELECTROPHORESIS, CELLULOSE ACETATE: 659, 1407
ELECTROPHORESIS, DISC: 1438, 1501, 1630, 2401, 2625, 2795, 3098, 3897, 4091, 4124
ELECTROPHORESIS, PAPER: 165, 198, 404, 1352, 1646, 1874, 2464
ELECTROPHORESIS, POLYACRYLAMIDE GEL: 157, 251, 259, 309, 358, 480, 561, 574, 587, 836, 864, 905, 987, 1049, 1097, 1100, 1168, 1319, 1378, 1609, 1646, 1720, 1816, 1926, 1959, 1973, 2054, 2108, 2296, 2374, 2433, 2490, 2579, 2586, 2634, 2644, 2795, 2849, 2885, 3095, 3288, 3365, 3511, 3588, 3675, 3685, 3808, 3897, 3953, 4162, 4275, 4297, 4320, 4382, 4434, 4465
ELECTROPHORESIS, STARCH GEL: 1049, 1181, 1447, 2586, 3250, 3847
ELECTROPHYSIOLOGY: 95, 137, 459, 594, 944, 1131, 1416, 2451, 2981, 3054, 3327, 3548, 4217, 4439, 4654
ELECTROSHOCK: 242, 424, 541, 1183, 1440, 1841
ELECTROTHERAPY: 2022, 2467
ELEMENTARY PARTICLES: 4469
ELEPHANTS: 759, 2005
ELIMINATIVE BEHAVIOR: 4375
ELLIS-VAN CREVELD SYNDROME: 3456
EMACIATION: 1785
EMBOLISM: 2544, 2602
EMBOLISM, AIR: 2531
EMBRYO: 78, 176, 214, 817, 843, 1476, 1570, 1757, 1911, 1993, 2083, 2196, 2314, 2322, 2392, 2578, 2735, 2773, 2884, 3336, 3365, 3698, 4320, 4706
EMBRYO, NON-MAMMALIAN: 468, 477
EMERGENCIES: 542, 3707
EMOTIONAL STRESS: 218, 2229, 2619
EMOTIONS: 90, 341, 625, 1283, 1914, 2022, 2128
EMPATHY: 4698
EMPHYSEMA: 1370
EMPYEMA: 1520
EMULSIONS: 2177, 3693
ENCEPHALITIS: 196, 937, 2102, 2913
ENCEPHALITIS PERIAXIALIS: 3003
ENCEPHALITIS VIRUS, VENEZUELAN EQUINE: 976
ENDARTERECTOMY: 2869
ENDARTERITIS: 4067
ENDOCARDITIS, BACTERIAL: 3293
ENDOCARDITIS, SUBACUTE BACTERIAL: 188
ENDOCRINE DISEASES: 416, 503, 552, 571, 641, 762, 766, 950, 1167, 1240, 1321, 1442,

1449, 1565, 1605, 2523, 2718, 3182, 3245, 3444, 3660, 3665, 4056, 4192, 4290, 4440, 4539, 4713
ENDOCRINE GLANDS: 136, 179, 343, 775, 979, 1683, 1861, 2591, 2937, 3086, 3109, 3118, 3129, 3368, 3401, 3433, 3450, 3476, 3705, 4090, 4123, 4201
ENDOCRINOLOGY: 793-794, 1304, 1763, 1865-1867, 2059, 2188, 2801, 3097, 3106, 3146, 3704, 4078, 4678, 4700
ENDOCYTOSIS: 3828
ENDODERM: 339, 843
ENDOLYMPH: 1633
ENDOMETRIAL HYPERPLASIA: 534, 992, 3349
ENDOMETRIOSIS: 856, 1559, 2891
ENDOMETRITIS: 825, 1163, 4729
ENDOMETRIUM: 444, 450, 604, 800, 839, 854, 1006, 1154, 1604, 1911, 2231, 2448, 2717, 3188, 3207, 3278-3279, 3467, 3816, 4000, 4114, 4446
ENDOMYCETALES: 3671
ENDONUCLEASES: 2803-2804
ENDOPLASMIC RETICULUM: 82, 236, 281, 339, 967, 972, 1027-1028, 1100, 1258, 1402, 1836, 1848, 1931, 2069, 2122, 2248, 2313, 2398, 2537, 2792, 3076, 3279, 3405, 3495, 3497, 3832, 3959, 4235, 4294-4295, 4538, 4671
ENDOSCOPY: 1189, 1270, 2247, 4049, 4414
ENDOSULFAN: 3470
ENDOTHELIUM: 58, 3206, 3400, 3820
ENDOTOXINS: 330, 845, 1517, 1730, 1786, 2100, 2253, 2376, 2997, 3231, 3587, 4066, 4452
ENERGY METABOLISM: 50, 86, 330, 387, 930, 1128, 1306, 1578, 2833, 2924, 3466, 3670, 3700, 3803, 3964, 4051, 4248
ENERGY TRANSFER: 923, 3505, 4219, 4275
ENTAMOEBIA HISTOLYTICA: 952, 4138
ENTERITIS, REGIONAL: 84, 791, 1577, 4299
ENTEROBACTERIACEAE: 2166
ENTEROCHROMAFFIN CELLS: 136, 844, 3197, 3304, 3352
ENTEROTOXINS: 298-299, 2083, 2806, 4179
ENVIRONMENT: 2745
ENVIRONMENT, CONTROLLED: 951, 1322, 1360, 3510, 3901
ENVIRONMENTAL EXPOSURE: 115, 195, 229, 548, 584, 1944, 3129, 3193, 3334, 3678, 3853, 4303
ENVIRONMENTAL POLLUTION: 1346
ENZYME ACTIVATION: 45, 112, 115, 210, 264, 267, 275, 298-299, 322, 358, 382, 408, 482, 575, 578, 707, 727, 750, 796, 846, 904, 924, 981, 994, 1182, 1267, 1324, 1459, 1528, 1597, 1616, 1708, 1823, 1882, 1898, 1939, 1987, 1989, 2062, 2083, 2105, 2128, 2136, 2150, 2201, 2298, 2309, 2346, 2363, 2443-2445, 2486, 2634, 2638, 2645, 2705-2706, 2803, 2808, 2894, 2990, 3158, 3228, 3416, 3422, 3483, 3515-3516, 3543, 3600-3602, 3703, 3731, 3844, 3894, 4098, 4156, 4259, 4264, 4355, 4412, 4430, 4442, 4449, 4486, 4494, 4502, 4520, 4617
ENZYME INDUCTION: 7, 199, 243, 310, 330, 429, 486, 511, 522, 553, 627, 707, 724, 729, 1000, 1377-1378, 1542, 1582, 1616-1617, 1686-1687, 1869, 2104, 2169, 2173, 2338, 2444, 2547, 2882, 2939, 3093-3094, 3251, 3433, 3504, 3671, 3709, 3718, 3740, 3848, 3904, 4013-4014, 4172, 4188, 4597, 4617, 4648
ENZYME INHIBITORS: 126, 487, 553, 1369, 2229, 2667, 2841, 3088, 3158, 3184, 3543, 3604, 3710, 3910, 4180, 4457, 4487
ENZYME PRECURSORS: 128, 2894, 3731, 4251
ENZYME REPRESSION: 7, 553, 627, 1182, 1447, 2173, 2930, 3671, 3776-3777, 3848, 4648
ENZYME TESTS: 434, 678, 1049, 1182, 2533, 2726, 4365, 4492
ENZYMES: 65, 350, 1016, 1484, 1838, 2225, 2374, 2901, 2998, 3061, 3184, 3543, 3940, 4459, 4471
EOSINOPHILIC GRANULOMA: 2361
EOSINOPHILS: 139, 240, 2021, 2422, 4151
EPENDYMA: 61, 398, 2925, 3839
EPENDYMOMA: 258, 3069, 3829
EPHEDRINE: 3016, 4037
EPIDERMAL CYST: 863
EPIDERMAL NECROLYSIS, TOXIC: 3374
EPIDERMOPHYTON: 2675
EPIDIDYMI: 33, 44, 171, 225, 389-390, 546, 894, 1021, 1134, 1655, 1800, 1927, 2014, 2030, 2208, 2228, 2308, 2346, 2435, 2540, 2599, 3240,

SUBJECT INDEX

3300, 3355, 3422, 3426, 3655, 3834, 3908, 4632
 EPIDIDYMITIS: 1146
 EPILEPSY: 178, 196, 453, 728-729, 1042, 1562, 2239, 2454, 2493, 2995, 3362, 3376, 3378, 3433, 3484, 3863, 4692-4693
 EPILEPSY, GRAND MAL: 453
 EPILEPSY, PETIT MAL: 1653, 4110
 EPILEPSY, TEMPORAL LOBE: 95-96, 314, 453, 2022, 2715, 4576
 EPILEPSY, TRAUMATIC: 96
 EPIMESTROL: 304
 EPINEPHRINE: 45, 113, 201, 210, 218, 278, 285, 288, 298-299, 316, 318, 357, 363, 410, 417, 457, 462, 511, 569, 578, 607, 743, 796, 884, 896, 932, 940, 973, 1139, 1202-1203, 1210, 1259, 1345, 1362, 1364, 1380, 1471, 1540, 1550, 1569, 1582, 1596, 1651, 1686-1687, 1725, 1800, 1808, 1822, 1824, 1904, 1942, 2006, 2012, 2090, 2128, 2136, 2150, 2195, 2263, 2316, 2342, 2346, 2354, 2387, 2420, 2435, 2550, 2553, 2561, 2568, 2648, 2665, 2705, 2736, 2761, 2782, 2840, 2850, 3016, 3168, 3188, 3200, 3235, 3282, 3515, 3548, 3615, 3820, 3824, 3848, 3862, 3711, 3791, 3804, 3822, 3825, 3894, 4007, 4063, 4084, 4105, 4286, 4317, 4544-4545, 4574, 4617, 4665, 4669
 EPIPHYSES: 518, 898, 2471, 2510, 3746, 3880
 EPIPHYSES, SLIPPED: 2306
 EPITHELIAL CELLS: 339, 843, 857, 1473, 1501, 1570, 1633, 1701, 2051, 2083, 2176, 2739, 2974, 3194, 3307, 3497, 4000, 4114, 4196, 4323, 4588, 4613, 4650
 EPITHELIUM: 44, 74, 278, 450, 592, 903, 1131, 1339, 1398, 1548, 1652, 1655, 2033, 2310, 2349, 2462, 2684, 3178, 3471, 3567, 4657
 EPOXY COMPOUNDS: 599, 1124
 EPOXYTRICHOECENES: 739
 EQUILENIN: 767
 EQUILIN: 4399
 ERGOCALCIFEROL: 40, 729, 4155, 4677
 ERGOCORININE: 799
 ERGOLINES: 642, 748, 752, 810, 1681, 2475, 2524-2525, 2897, 3435, 3542, 3747, 4077, 4305, 4504, 4710
 ERGONOVINE: 331
 ERGOSTEROL: 180, 235, 1019, 1381
 ERGOT ALKALOIDS: 340, 718, 799, 3435, 3747, 4189, 4305
 ERGOTAMINE: 1325, 2648
 ERYSIPELAS: 2355
 ERYTHEMA: 3315
 ERYTHEMA NODOSUM: 2353, 2482
 ERYTHROBLASTOSIS, FETAL: 711, 2890, 4270
 ERYTHROCYTE COUNT: 963, 3608
 ERYTHROCYTES: 30, 48, 130, 153, 164, 298-299, 309, 513, 543, 587, 645, 662, 768, 891, 909, 939, 984, 1068, 1091, 1155, 1181, 1202, 1209, 1246, 1372, 1419, 1459, 1489, 1571, 1609, 1665, 1685, 1898, 2085, 2101, 2170, 2175, 2225, 2253, 2340, 2400, 2484, 2518, 2621, 2677, 2785-2786, 2886, 3035, 3166, 3182, 3228, 3263-3264, 3324, 3543, 3606, 3703, 3751, 3820, 3916, 3935, 3955, 4007, 4041, 4232, 4362, 4397, 4438, 4594, 4598, 4647, 4727
 ERYTHROCYTES, ABNORMAL: 3955, 4432, 4730
 ERYTHRODERMA ICHTHYOSIFORME: 4366
 ERYTHROLEUKEMIA: 3135
 ERYTHROMYCIN: 1896
 ERYTHROPOIESIS: 48, 772, 963, 1043, 1531, 3175, 3606, 4727
 ERYTHROPOIETIN: 48, 1470, 1531, 2893, 4727
 ESCAPE REACTION: 1050, 1436, 2311, 2431, 3561
 ESCHERICHIA: 2262
 ESCHERICHIA COLI: 6-7, 104, 161, 480, 576, 627, 710, 845, 999, 1125, 1179, 1184, 1422, 1721, 1762, 1786, 1816, 1877, 2083, 2101, 2128, 2166, 2260, 2376, 2721, 2821, 3231, 3238, 3251, 3284, 3333, 3488, 3776-3777, 4264, 4597, 4648
 ESCHERICHIA COLI INFECTIONS: 3183, 3267
 ESKIMOS: 2670, 2752
 ESOPHAGEAL DISEASES: 622, 3603
 ESOPHAGEAL NEOPLASMS: 915, 2050
 ESOPHAGEAL REFLUX: 1022
 ESOPHAGEAL VARICES: 2408, 2718, 3120
 ESOPHAGITIS, PEPTIC: 4440

ESOPHAGOGASTRIC JUNCTION: 1022, 1288
 ESOPHAGOSCOPY: 2408
 ESOPHAGUS: 1022, 1406, 2050, 3353, 3771, 4440
 ESTERASES: 128, 271, 450, 776, 904, 2176, 2653, 3384, 3662, 3839
 ESTERS: 126, 479, 519, 807, 1381, 2843, 3425
 ESTETROL: 4270
 ESTRADIOL: 24, 71, 79-80, 138, 141, 147, 184, 198, 202-203, 212, 239, 259, 300, 397, 415, 423, 444, 450, 492, 534, 568, 580, 604, 621, 630, 638, 708, 738, 753, 771, 786, 800, 821, 853, 893, 911, 1036, 1044, 1046, 1072, 1097, 1113, 1172, 1259, 1274, 1289, 1316, 1349, 1359, 1393, 1398, 1425, 1429, 1444, 1469, 1498, 1511, 1522, 1532, 1583, 1609-1610, 1626, 1629, 1652, 1662, 1674, 1706, 1732, 1740, 1768, 1774, 1778, 1805, 1854, 1881, 1897, 1922, 1938-1939, 1962, 1977, 2008, 2010, 2034, 2056, 2108, 2134, 2185, 2192-2193, 2206, 2257, 2286, 2315, 2397, 2425, 2440, 2448, 2463, 2474, 2476, 2519, 2563, 2576, 2585, 2626, 2628, 2631, 2668, 2687-2688, 2709, 2717, 2741, 2789, 2795, 2809, 2818, 2853, 2877, 2915, 2935, 2964, 2986, 2992, 2996, 3006, 3008-3009, 3015, 3075, 3079, 3088, 3141, 3149, 3155, 3177-3178, 3188, 3212, 3215-3216, 3278-3279, 3282, 3285, 3310, 3333, 3377, 3415, 3429, 3431, 3460, 3464, 3510, 3547-3549, 3563, 3567, 3591, 3606, 3629, 3656, 3716, 3726, 3757, 3766-3768, 3797, 3809, 3819, 3823, 3859-3860, 3871, 3928, 3985, 4045, 4075, 4081, 4114, 4123, 4128-4129, 4135, 4140, 4151, 4187, 4199, 4226, 4285, 4291, 4297, 4318-4319, 4347, 4378, 4380, 4404, 4411, 4454, 4461, 4526, 4538, 4564, 4616, 4637, 4648, 4650, 4671, 4686
 ESTRAMUSTINPHOSPHATE: 2184, 2823, 2988, 3682, 4349
 ESTRENES: 304, 1025, 2793
 ESTRIOL: 26, 643, 711, 921, 1249, 1316, 1359, 2197, 2268, 2323, 2626, 2688, 3006, 3079, 3282, 3467, 3549, 3566, 3605, 3618, 3633, 3766-3768, 3878, 3950, 4094, 4115, 4270, 4349, 4564, 4676
 ESTROGENIC SUBSTANCES, CONJUGATED: 430, 771, 1001, 1061, 1896, 2019, 4508
 ESTROGENS: 14, 24, 29, 40, 58, 100, 109, 119, 129, 184, 186, 306, 350, 360, 364, 369, 403, 426, 440, 450-451, 472, 483, 495-496, 507, 534, 615, 624, 630, 638, 657, 667, 689, 711, 781, 800, 824-825, 834, 861, 892, 991-992, 1006, 1061, 1085, 1200, 1290-1291, 1293, 1297, 1313, 1316, 1349, 1351, 1386, 1395, 1399, 1486, 1522, 1532, 1566, 1594, 1609, 1626, 1674, 1726, 1734, 1752, 1828, 1835, 1881, 1891, 1965, 2003, 2008, 2073, 2117, 2154, 2178, 2213, 2224, 2268, 2283, 2294, 2299, 2301, 2313, 2319, 2412, 2465, 2479, 2519, 2523, 2563, 2570, 2577, 2585, 2589, 2609, 2630-2631, 2651, 2672, 2710, 2717-2718, 2748, 2755, 2783, 2820, 2939, 2962-2963, 2965, 2967, 2974, 2997, 3006, 3032, 3075, 3079, 3114, 3184, 3198, 3207, 3215, 3218, 3274, 3309-3310, 3377, 3418, 3427-3428, 3464, 3467, 3477, 3529, 3556, 3563, 3638, 3726, 3757, 3787, 3771, 3789, 3802, 3919, 3923-3924, 3946, 3961, 3994, 4017, 4074, 4099, 4187, 4194, 4321, 4339, 4370, 4423, 4441, 4458, 4515-4516, 4536, 4564, 4583-4584, 4591, 4616, 4644, 4681, 4698, 4709, 4716
 ESTROGENS, SYNTHETIC: 283, 679, 797, 1025, 1526, 1897, 3768, 3833, 3975, 4709
 ESTRONE: 24, 124, 184, 197, 534, 568, 580, 767, 771, 786, 887, 1046, 1316, 1349, 1359, 1425, 1466, 1522, 1526, 1626, 1740, 1805, 1846, 1874, 1995, 2008, 2010, 2108, 2192-2193, 2261, 2301, 2403, 2626, 2817, 3006, 3032, 3078, 3215, 3279, 3343, 3431, 3460, 3467, 3709, 3726, 3766-3768, 3815, 3823, 3923, 4006, 4075, 4187, 4285, 4564, 4686
 ESTRUS: 245, 374, 398, 450, 525, 549, 620, 708, 817, 851, 970, 1044, 1065-1066, 1072, 1153, 1255, 1291, 1319, 1430, 1467, 1469, 1536, 1557, 1575, 1620, 1629, 1674, 1703, 1732, 1734, 1740-1741, 1805, 1828, 1832, 1854, 1916, 1928, 2000, 2008, 2116, 2257, 2286, 2315, 2369, 2396, 2419, 2609, 2618, 2674, 2809-2810, 2853, 2871, 2935, 2964, 2974, 3014, 3119, 3216, 3226, 3274, 3277, 3461, 3522-3523, 3548, 3638, 3737, 3816, 3871, 3990, 3995, 4129, 4131, 4184, 4228, 4294, 4329, 4423, 4504, 4560, 4562, 4616, 4639, 4729
 ESTRUS DETECTION: 1928
 ETHACRYNIC ACID: 447, 910, 1707, 2534
 ETHAMBUTOL: 1839

ETHANE: 1784
 ETHANEHYDROXYDIPHOSPHONATE: 254
 ETHANOLAMINES: 2208
 ETHER, ETHYL: 564, 1151, 2039, 2865
 ETHERS: 801, 1638, 2004, 2021, 2117
 ETHERS, CYCLIC: 599
 ETHICS, MEDICAL: 1781, 2022, 4536, 4683
 ETHIDIUM: 421, 4453
 ETHINYL ESTRADIOL: 30, 145, 154, 430, 448, 861, 906, 911, 992, 1317, 1574, 1726, 1752, 2403, 2412, 2747, 3027, 3032, 3049, 3243, 3254, 3302, 3613, 3726, 3766, 4045, 4357, 4474, 4690
 ETHIONINE: 1402
 ETHISTERONE: 2596
 ETHMOID SINUS: 2771
 ETHNIC GROUPS: 1117, 1195, 2165, 3043
 ETHOSUXIMIDE: 4110
 ETHYL ETHERS: 141, 286, 1540, 2802, 3223, 3576, 3950
 ETHYL MERCURY COMPOUNDS: 2074
 ETHYL METHANESULFONATE: 445
 ETHYLAMINES: 2489
 ETHYLENE GLYCOLS: 1089, 1132
 ETHYLMALIMIDE: 1381, 2097, 2282, 4156, 4461, 4582
 ETHYLMORPHINE-N-DEMETHYLASE: 2337-2338, 2642
 ETHYNODIOL DIACETATE: 30, 3027
 ETIMIZOL: 4638
 ETIOCHOLANOLONE: 2210-2211, 3006, 3632, 4024
 EUNUCHISM: 3339, 3550
 EVALUATION STUDIES: 49, 150, 384, 421, 564, 651, 663, 756, 782, 866, 985, 1093, 1336, 1397, 1627, 1680, 1853, 2063, 2387, 2420, 2441, 2494, 2854, 2869, 3013, 3135, 3190, 3216, 3237, 3306, 3379, 3466, 3556, 3566, 3808, 3942, 3969, 4111, 4272, 4517, 4527-4528, 4586
 EVOKED POTENTIALS: 514, 594, 942, 1651, 2118, 2317, 3327-3328, 3596
 EVOLUTION: 693, 1195, 1591, 1863, 1911, 2393, 2557, 2890, 3675, 4047, 4091
 EXERCISE THERAPY: 1956, 4489
 EXERTION: 476, 927, 935, 943, 1246, 1440, 1487, 1578, 1744, 1780, 2084, 2540, 2670, 3496, 3554, 3886, 3943, 4190
 EXOCRINE GLANDS: 3604
 EXOCYTOSIS: 928, 1503, 1833, 2841, 4180, 4606
 EXOPHTHALMOS: 10, 47, 289, 523, 1051, 1116, 1826, 2088, 2144, 2347, 2361, 2600, 2770, 3013, 3669, 3699, 3927, 4104, 4106, 4307, 4377, 4534, 4573, 4590, 4652
 EXOPHTHALMOS PRODUCING SUBSTANCE: 2214, 3669
 EXOSTOSES: 4590
 EXOSTOSES, MULTIPLE: 1160, 1666, 1876
 EXPECTORANTS: 1827, 4663
 EXPLORATORY BEHAVIOR: 403, 424, 2724, 4030
 EXTINCTION (PSYCHOLOGY): 2141
 EXTRACELLULAR SPACE: 267, 339, 2405, 2994, 3194, 3365, 3380, 3689, 3784, 3935, 4011, 4488
 EXTRACHROMOSOMAL INHERITANCE: 1721
 EXTRACORPOREAL CIRCULATION: 1014
 EXTRACTION, OBSTETRICAL: 4058
 EXTRAPYRAMIDAL DISORDERS: 628, 4609
 EXTREMITIES: 520, 2522, 3391, 3771, 4069, 4247
 EXTROVERSION (PSYCHOLOGY): 1269
 EXUDATES AND TRANSUDATES: 351, 435, 642, 4341
 EYE: 47, 353, 838, 1038, 1165, 1545, 1911, 3196, 3204, 3368, 3403, 3901, 4279, 4580, 4657
 EYE, ARTIFICIAL: 2220
 EYE DISEASES: 734, 1118, 1736-1737, 2310, 3087, 4206, 4396, 4573, 4590, 4675
 EYE FOREIGN BODIES: 1397
 EYE INJURIES: 1397, 4573
 EYE MANIFESTATIONS: 734, 780
 EYE MOVEMENTS: 196, 2067, 2600, 3383
 EYE NEOPLASMS: 3105
 EYE PROTEINS: 353
 EYELID DISEASES: 1145, 4573
 EYELIDS: 577, 2025

SUBJECT INDEX

F

- F FACTOR:** 1721
FACE: 319, 1476, 1666, 1848, 2025, 2347, 2558, 2582, 3463, 3479, 3810, 4154, 4247, 4307, 4495
FACIAL BONES: 3005, 3276, 4539
FACIAL DERMATOSES: 1516, 1525
FACIAL PARALYSIS: 1135, 2215, 4247
FACTOR ANALYSIS, STATISTICAL: 1496, 2217
FACTOR V: 908
FACTOR VII: 908, 1479
FACTOR VIII: 5, 301, 908, 1479, 2890
FACTOR IX: 5, 908, 1479
FACTOR X: 908
FACTOR XI: 908
FACTOR XI DEFICIENCY: 1516
FACTOR XII: 908, 2376
FACTOR XIII: 908
FAD: 1314, 1989, 3087
FALLOPIAN TUBE NEOPLASMS: 1559
FALLOPIAN TUBES: 658, 688, 753, 839, 1052, 1444, 1559, 1828, 2066, 2641, 2729, 3113, 3426, 3548, 3569, 4376
FALSE NEGATIVE REACTIONS: 694, 2832, 3208
FALSE POSITIVE REACTIONS: 2369, 2880, 3208
FAMILY: 1269, 2070
FAMILY CHARACTERISTICS: 777, 3043, 3786
FAMILY PLANNING: 777, 798, 1285, 1726, 1731, 1793, 2070-2072, 2854, 3043, 3311, 3399
FAMILY PRACTICE: 1321
FANCONI SYNDROME: 706, 3208, 3382, 4416
FANTASY: 4698
FARNESOL: 4201
FAST NEUTRONS: 103
FASTING: 263, 553, 1169, 1667, 2277, 2339, 3050, 3323, 3469, 3678, 3883, 3970, 4077, 4197, 4207, 4602
FATIGUE: 111, 430, 1386, 1793, 4053
FATIGUE, MENTAL: 2722
FATTY ACID DESATURASES: 1817
FATTY ACID SYNTHETASE COMPLEX: 2205, 3184, 3508-3507
FATTY ACIDS: 202, 207, 359, 519, 754, 891, 1057, 1381, 1512, 1659, 2205, 2388-2389, 2513, 2722, 3034, 3238, 3244, 3300, 3447, 3506, 3766, 4207
FATTY ACIDS, ESSENTIAL: 1326, 1668
FATTY ACIDS, NONESTERIFIED: 221, 506, 634, 754, 759, 1139, 1300, 1413, 1477, 1526, 1714, 1738, 1823, 2190, 2460, 2575, 2612, 3046, 3071-3072, 3388, 3587, 3700, 3964, 4096, 4493
FATTY ACIDS, UNSATURATED: 202, 315, 1366, 1381, 2351, 3887, 4544-4545, 4562
FATTY ACIDS, VOLATILE: 185, 852, 4088
FATTY LIVER: 2193, 4168
FAVISM: 2890
FEAR: 1902
FEATHERS: 1310, 1442, 3962
FECES: 111, 472, 738, 852, 1081, 1176, 1346, 1435, 1463, 1789, 1945, 1964, 2805, 3195, 3287, 3394, 3578, 3618, 3803, 4340, 4444
FEEDBACK: 598, 656, 795, 1061, 1172, 1418, 1475, 1515, 1824, 2203, 2377, 2591, 2638, 3021, 3309-3310, 3638, 3657, 4084, 4328, 4339
FEEDING BEHAVIOR: 90, 967, 1071, 1228, 1492, 1578, 2118, 2141, 2276, 2384, 2452, 2461, 3132, 3526, 3609, 3793, 3861, 4654
FEEDING PATTERNS: 3526, 4088, 4126
FEES, PHARMACEUTICAL: 1896
FEMINIZATION: 16, 2741
FEMORAL ARTERY: 3027
FEMORAL FRACTURES: 1336, 2160, 2522, 4224
FEMORAL NECK FRACTURES: 572, 875, 1336
FEMORAL NEOPLASMS: 2160, 2911
FEMORAL VEIN: 3958
FEMUR: 713, 741, 1336, 1830, 2111, 2131, 2146, 2272, 2424, 2439, 2446, 2467, 2492, 2497, 2499-2501, 2503, 2510, 2593, 2837, 2860, 3873, 4224
FEMUR HEAD NECROSIS: 616, 1336
FENESTRATION: 4624
FENFLURAMINE: 652, 2038, 3846
FENTANYL: 2328
FERMENTATION: 570, 1829
FERRIC COMPOUNDS: 4018
FERRICYANIDES: 2089, 4511
FERRITIN: 4000
FERROCYNANIDES: 4143, 4379
FERROUS COMPOUNDS: 4690
FERTILITY: 114, 223, 303, 374, 556, 686, 817, 970, 1174, 1394, 1536, 1605, 1664, 1749, 1797, 1982, 2014, 2293, 2351, 2723, 2797, 2810, 2923, 2993, 3032, 3431, 3564, 4140, 4431, 4435, 4507, 4560, 4593, 4699
FERTILITY AGENTS, FEMALE: 1971, 3771
FERTILITY AGENTS, FEMALE, HORMONAL: 3771
FERTILIZATION: 214, 225, 272, 477, 1052, 1231, 2071, 2398, 2463, 2537, 2729, 3337, 3692, 3835, 3938, 4320, 4560, 4706, 4729
FETAL ANOXIA: 276
FETAL BLOOD: 720, 1229, 2015, 2135, 2323, 3098, 3215, 3427, 4055
FETAL DEATH: 24, 303, 686, 1085, 1166, 1264, 1476, 1757, 1771, 1986, 2111, 2370, 2413, 3036, 3209-3210, 3232, 3840, 4131, 4270, 4400, 4549, 4621, 4729
FETAL DISEASES: 1, 109, 193, 350, 817, 1069, 1166, 1601, 1778, 1798, 2007, 2135, 2799, 3036, 3209-3210, 3267, 3519, 3746, 3852, 4163, 4550
FETAL GLOBULINS: 200, 1352, 1835, 1920, 4297, 4424
FETAL HEART: 1166, 2354
FETAL MEMBRANES: 2132, 3852
FETAL MEMBRANES, PREMATURE RUPTURE: 640
FETUS: 12, 114, 276, 418, 454, 664, 702, 711, 775, 911, 958, 1007, 1166, 1170, 1229, 1241, 1264, 1383, 1407, 1427, 1447, 1455, 1471, 1552, 1601, 1794, 1803, 1835, 1944, 2029, 2092, 2132, 2154, 2323, 2370, 2410, 2479, 2534, 2710, 2967, 2995, 3209-3210, 3304, 3351, 3357, 3411, 3503, 3517, 3591, 3594, 3746, 3771, 3840, 3973, 4002, 4006, 4009, 4023-4024, 4075, 4114, 4134, 4226, 4312, 4525, 4549, 4558, 4593, 4624, 4669, 4704
FEVER: 899, 976, 1150, 1260, 1379, 1764, 1843, 2782, 3231, 3555, 4290, 4623
FIBRIN: 908, 1600, 4064
FIBRINOGEN: 430, 731, 908, 1479, 1517, 1720, 1752, 2376, 2579, 2806, 3120, 3247, 4210
FIBRINOLYSIS: 746, 1479, 2806, 3190
FIBRINOLYTIC AGENTS: 144-145, 1479, 1752
FIBRINOLYTIC AGENTS: 2912
FIBROBLASTS: 83, 519, 846, 880-881, 1123, 1504, 1725, 1844-1845, 1848, 1919, 2054, 2129, 2139, 2784, 2834-2835, 2839, 2884, 3157-3158, 3199, 3288-3289, 3393, 3475, 3497, 3604, 3744, 3746, 3761, 3792, 3820, 3847, 3925, 4480, 4542
FIBROMA: 190, 1428, 4144, 4418
FIBROUS DYSPLASIA, MONOSTOTIC: 4539
FIBROUS DYSPLASIA OF BONE: 2079, 2273, 2902, 3551, 4539
FIBROUS DYSPLASIA, POLYOSTOTIC: 4539
FIBULA: 388, 518, 2156, 2280, 3276
FIELD DEPENDENCE-INDEPENDENCE: 625
FILARIOIDEA: 2398
FILTRATION: 4528
FINANCING, GOVERNMENT: 673, 798, 3043
FINGER JOINT: 43, 3701
FINGERS: 838, 1003, 1164, 1483, 2111, 2426, 2471, 3701, 4247, 4495
FIRES: 548, 1509
FIRST AID: 1598, 1894
FISH PRODUCTS: 1394
FISHES: 164, 179, 212, 397, 509, 919, 967, 1152, 1156, 1272, 1519, 1664, 1858-1859, 1861, 2322, 2345, 2393, 2548, 2557, 2761, 2840, 2849, 3129, 3377, 3705, 4044, 4167, 4323, 4344
FISTULA: 2888
FLAGELLA: 1231
FLAGELLIN: 2400
FLAVINS: 751, 3634
FLAVOBACTERIUM: 3893
FLAVOPROTEINS: 117, 1314, 1624
FLIES: 329, 3214
FLIGHT REACTION: 2126
FLOWMETERS: 3554
FLUDROCORTISONE: 600, 1518, 1840, 1983, 3970
FLUFENAMIC ACID: 1259, 2936, 3154
FLUMETHASONE: 1451
FLUOCINOLONE ACETONIDE: 1080
FLUOCINONIDE: 1080, 3082
FLUORESCINS: 328, 952, 2112, 2842, 3634
FLUORESCENCE: 61, 826, 875, 1830, 2372, 2410, 2424, 3304, 3848, 4561
FLUORESCENCE ANGIOGRAPHY: 435, 1118, 1397, 1737, 2462
FLUORESCENT ANTIBODY TECHNIC: 142, 290, 551, 641, 952, 962, 1064, 1319, 1474-1475, 1501, 1519, 1716, 1765, 1771, 1838, 1970, 2064, 2677, 2735, 2768, 2817, 2925-2926, 2975, 3066, 3557, 3659, 3661, 3825, 3889, 4016, 4025, 4227, 4302, 4365, 4424, 4465, 4542
FLUORESCENT DYES: 490, 1533-1534, 1851, 2664, 2922, 3899
FLUORINATION: 1689
FLUORIDE POISONING: 4033, 4645
FLUORIDES: 56, 298-299, 358, 458, 569, 776, 932, 984, 987, 1100, 1332, 1513, 1582, 1585, 1689, 1898, 1904, 1994, 2063, 2136, 2368, 2389, 2409, 2420, 2443, 2492, 2510, 2577, 2638, 2706, 2824, 3057, 3153, 3385, 3894-3895
FLUORINE: 195, 822, 875, 964, 1332, 3967, 4571
FLUOROBENZENES: 4407
FLUORODEOXYURIDINE: 2732, 4657
FLUOROMETHOLONE: 611, 2310
FLUOROMETRY: 247, 346, 1458, 2470, 4013, 4222, 4373
FLUOROSCOPY: 929
FLUOROURACIL: 723, 985, 1313, 1748, 2050, 2559, 2740, 3258, 3261, 3682, 4119
FLUOXYMESTERONE: 1095, 1636, 2403, 3253, 3565
FLUPHENAZINE: 2048
FLUPRENISOLONE: 4343
FLURANDRENOLONE: 524
FLUROTHYL: 1042
FLUTAMIDE: 3682
FMN: 3067
FOLIC ACID: 30, 80, 440, 791, 1965, 2286, 2682, 3036, 3842, 4692
FOLIC ACID DEFICIENCY: 80, 791, 1618, 3433, 3842
FOLLOW-UP STUDIES: 41, 84, 289, 395, 474, 497, 502, 524, 591, 1008, 1082, 1104, 1280, 1296, 1300, 1396-1397, 1679, 1736, 1746, 1790, 1825, 1868, 2050, 2218, 2231, 2312, 2331, 2349, 2361, 2364, 2496, 2523, 2702, 2843, 2985, 3281, 3446, 3622, 3785, 3969, 4039, 4139, 4225, 4246, 4255, 4341, 4350, 4378, 4484, 4636, 4704, 4722
FOOD: 1552, 2017, 3047, 3941
FOOD ADDITIVES: 116, 328, 2370, 3036, 3287, 4120
FOOD ANALYSIS: 4373
FOOD CONTAMINATION: 3193
FOOD DEPRIVATION: 951, 1071-1072, 1578, 2954, 3861, 3941, 4363
FOOD, FORTIFIED: 1204, 4672
FOOD HYPERSENSITIVITY: 3016
FOOD POISONING: 739
FOOD PREFERENCES: 1578
FOOD PRESERVATIVES: 4120
FOOD SUPPLY: 1664, 3432
FOOT: 319, 1164, 1568, 4247
FOOT DISEASES: 4027
FOREARM: 2432, 2689, 3763
FOREIGN BODIES: 2770
FORELIMB: 518, 3855, 4400
FORENSIC MEDICINE: 1509
FORMALDEHYDE: 82, 803, 805, 1838, 2175, 2372, 3566, 4661
FORMALIN: 3595
FORMAMIDES: 855, 1387, 2743
FORMATES: 1245
FORMULARIES: 4551
FOSSILS: 1675
FOXES: 551
FRACTIONAL PRECIPITATION: 3677, 4208
FRACTIONATION: 165, 1431, 2056, 2564
FRACTURE FIXATION: 741, 2589
FRACTURE FIXATION, INTERNAL: 1779
FRACTURES: 40, 99, 388, 741, 2503, 2587, 4001, 4154, 4263
FRACTURES, CLOSED: 2156
FRACTURES, SPONTANEOUS: 1435, 2160, 4246
FREE RADICALS: 1366, 1550, 2662, 4105
FREEZE DRYING: 78, 421, 649, 905, 1926, 4340

SUBJECT INDEX

FREEZE ETCHING: 4175
 FREEZE FRACTURING: 3573
 FREEZING: 900, 930, 1052, 1853, 2199, 2620, 2730, 3731
 FRESH WATER: 1858-1859, 3129
 FREUND'S ADJUVANT: 4628
 FRIGIDITY: 1750
 FROEHLICH'S SYNDROME: 3466, 4396
 FROGS: 584, 855, 1127, 1205, 1446, 1597, 2225, 2377, 2464, 2484, 2572, 2955, 3280, 3352, 3377, 3432, 3562, 3574, 3638, 3703
 FRONTAL BONE: 439
 FRONTAL LOBE: 314, 2864, 3298
 FRONTAL SINUS: 2771, 2951
 FROSTBITE: 1520
 FROZEN SECTIONS: 517
 FRUCTOSE: 28, 773, 3355, 4126
 FRUCTOSEPHOSPHATES: 275, 3507
 FRUIT: 4373
 FSH: 93, 120, 172, 184, 269, 279, 284, 313, 320, 336, 340, 415, 423, 474, 534, 549, 551, 664-665, 680, 748, 786, 822, 824, 851, 861-862, 906, 913, 991, 1020, 1034-1035, 1045, 1055, 1090, 1172, 1174, 1187, 1273, 1293, 1328, 1368, 1401, 1417-1418, 1453, 1465, 1478, 1485, 1514, 1522, 1583, 1611, 1655, 1718, 1853, 1883, 1893, 1973, 1998, 2013, 2036, 2096, 2107, 2115-2117, 2134, 2216, 2245, 2300, 2365, 2387, 2403, 2463, 2468, 2483, 2525, 2537, 2562, 2624, 2631, 2651, 2664, 2668, 2796, 2811, 2818, 2931-2932, 2972, 2974, 3039, 3092, 3150, 3241, 3261, 3274, 3310, 3345, 3356, 3395, 3408, 3431, 3460-3461, 3509-3510, 3512, 3545, 3613, 3650, 3716, 3719, 3747, 3765, 3809, 3833, 3947, 4046, 4057, 4080, 4109, 4231, 4238, 4285, 4291, 4309, 4339, 4350, 4357, 4364, 4380-4381, 4458, 4479, 4516, 4556, 4611, 4633, 4639, 4680
 FUCHSIN: 2288
 FUNDUS OCULI: 435, 1118, 1397, 1499, 2462, 4496
 FUNGI: 3910
 FURANS: 689, 801, 1025, 3261, 4120
 FUROSEMIDE: 23, 182, 270, 447, 978, 1112, 1443, 1707, 1710, 2534, 2555, 2647, 2661
 FUSIDIC ACID: 1385

G

GABA: 217, 357, 932, 1338, 2423, 2759, 2813, 3676, 3936, 4603
 GAIT: 2475, 3446, 3599
 GALACTORRHEA: 340, 406, 712, 748, 1527, 1891, 2525, 2650-2651, 3650-3651, 3747, 3765, 4403, 4710
 GALACTOSE: 2045, 3709
 GALACTOSIDASES: 7, 627, 836, 1179, 1377, 1537, 1852, 2094, 2219, 2919, 3251, 3776-3777, 4597, 4648
 GALLAMINE TRIETHIODIDE: 2779
 GALLBLADDER: 418, 2028, 2234, 3260, 4062
 GALLBLADDER DISEASES: 775, 3182
 GALLIUM RADIOISOTOPES: 915, 2911
 GALVANIC SKIN RESPONSE: 2183
 GAMMA GLOBULIN, 7S: 1959
 GAMMA GLOBULIN, 19S: 1959
 GAMMA GLOBULINS: 333, 904, 937, 2768, 2842, 3662, 4293
 GAMMA RAYS: 103-104, 1234, 1537, 1724, 3069, 3269, 3750
 GANGLIA: 522, 1591, 1617, 2802, 3497-3498, 3793, 4206
 GANGLIA, AUTONOMIC: 619, 809, 1165, 1686-1687, 1777, 1970, 2736, 2945, 3093
 GANGLIA, BASAL: 217, 1541, 2759, 2807, 2816, 2954, 3654, 4603
 GANGLIA, SPINAL: 1165, 3004, 4117
 GANGLIONEUROMA: 3522, 4087
 GANGLIONIC BLOCKADERS: 1390, 3021
 GANGLIOSIDES: 1772, 2175, 3313
 GANGRENE: 3027
 GAS GANGRENE: 1520
 GASES: 2543
 GASTRECTOMY: 542, 1256, 2494, 3645, 3906, 4056
 GASTRIC ACIDITY DETERMINATION: 1062, 1722, 2244
 GASTRIC FISTULA: 3171
 GASTRIC JUICE: 459, 1062, 1693, 1722, 2223, 2244, 2252, 2513, 2810, 2970, 3562, 3630, 3770,

3913, 4020, 4356, 4440, 4599
 GASTRIC MUCOSA: 459, 1062, 1693, 1722, 2252, 2410, 3304, 3385, 3562, 3770, 3999, 4262, 4346, 4599
 GASTRIN: 136, 641, 1022, 1288, 2017, 2819, 4056, 4440
 GASTRITIS: 136, 4262
 GASTROENTEROSTOMY: 2494
 GASTROINTESTINAL DISEASES: 136, 503, 1321, 2295, 2659, 2718, 2788, 4053
 GASTROINTESTINAL HORMONES: 136, 1218, 2325, 2410, 2423, 3582, 4062
 GASTROINTESTINAL MOTILITY: 294, 1596, 2788, 2819, 2970, 3614, 3906, 3939, 4062, 4346
 GASTROINTESTINAL NEOPLASMS: 659, 783, 2740, 2843, 3111, 3582, 4310
 GASTROINTESTINAL SYSTEM: 136, 185, 775, 2017, 3034, 3197, 3401, 3943, 4056
 GASTROSCOPY: 542
 GAUCHER'S DISEASE: 1516
 GEESE: 307
 GEIGER-MUELLER COUNTER: 2567
 GEL DIFFUSION TESTS: 259, 746, 952, 1127, 1447, 2217, 3340, 3717, 3796, 4144-4145, 4282, 4297, 4341, 4365, 4424, 4438, 4466
 GEL FILTRATION: 251, 259, 287, 356, 358, 389, 423, 494, 536, 574-576, 606, 651, 692, 697, 769, 822, 873, 885, 905, 924-925, 1086, 1294, 1314, 1368, 1427, 1431, 1528, 1647, 1669, 1680, 1718, 1802, 1852-1853, 1926, 1959, 2129, 2157, 2173, 2205, 2309, 2444, 2464, 2490, 2586, 2616, 2620, 2768, 2849, 3015, 3126, 3138, 3216, 3250, 3360, 3408, 3465, 3511, 3516, 3532, 3563, 3677, 3741, 3789, 3893, 3897, 3902, 3980, 4054, 4174, 4275, 4341, 4358, 4397, 4480, 4520, 4611
 GELATIN: 78, 4165
 GELFOAM: 1502
 GELS: 1908, 2220, 3082, 3890-3891, 4208
 GENE FREQUENCY: 271, 939, 1053, 1207, 1997, 2890, 2923, 2968, 3180, 4600
 GENERAL PRACTICE: 416, 1947, 2073, 3736, 4577, 4675, 4687
 GENES: 349, 458, 625, 687, 1041, 1233, 1456, 1504, 1530, 1609, 1863, 2110, 2163, 2415, 2627, 3848, 4505, 4537, 4600
 GENES, DOMINANT: 813, 817, 1225-1226, 1403, 1405, 1483, 1496, 1776, 2262, 2506, 2526, 2968, 3463, 3869, 3962, 4307, 4391, 4400, 4548
 GENES, LETHAL: 817, 1207, 2110, 2262, 2478, 2520, 2827, 4061, 4400, 4572
 GENES, RECESSIVE: 101, 126, 208, 319, 813, 1207, 1404, 1553, 1848, 1997, 2031, 2262, 2415, 2478, 2520, 2968, 3454, 4154, 4246, 4322, 4391, 4505, 4548, 4572, 4600
 GENES, REGULATOR: 2630, 4029, 4471
 GENES, STRUCTURAL: 4029, 4204, 4505
 GENES, SUPPRESSOR: 1119, 1447, 2054, 4204
 GENETIC CODE: 3873, 4391
 GENETIC COMPLEMENTATION TEST: 2478, 2520, 4431
 GENETIC COUNSELING: 813, 815, 2415, 2583-2584, 4548
 GENETIC INTERVENTION: 4061
 GENETICS: 3046, 4047
 GENETICS, BEHAVIORAL: 1251, 1496, 4600
 GENETICS, BIOCHEMICAL: 218, 821, 939, 2110, 3675, 3706
 GENETICS, HUMAN: 1052, 1195, 4391
 GENETICS, MICROBIAL: 3157, 4391
 GENETICS, POPULATION: 1053, 1516, 2890, 2968
 GENICULATE BODIES: 619
 GENITAL DISEASES, MALE: 1146, 2599
 GENITALIA: 4475
 GENITALIA, FEMALE: 1039, 1149, 1594, 1742, 1880, 3387, 3737
 GENITALIA, MALE: 171, 319, 951, 1742, 3044, 4181, 4632, 4726
 GENOTYPE: 218, 563, 760, 897, 1095, 1195, 1226, 1251, 1570, 1733, 1967, 1997, 2923, 3962, 4204, 4229, 4548, 4572, 4600
 GENTAMICIN: 22, 211, 1248, 1482, 2060
 GERBILS: 488, 1039, 1676, 2810, 4671
 GERIATRICS: 175, 1565, 4713
 GERM CELLS: 1407, 1655, 2773, 3037, 4548
 GERM-FREE LIFE: 161, 2564, 3780, 4326
 GESTATIONAL AGE: 18, 81, 454, 662, 667, 677, 702, 814, 958, 1024, 1055-1056, 1120, 1166, 1249, 1264, 1280, 1308, 1375, 1452, 1455,

1465, 1857, 1959, 1986, 2132, 2773, 3209, 3233, 3307, 3517, 3594, 3633, 4002, 4024, 4071, 4260, 4270, 4320, 4525-4526, 4558
 GIBBERELLINS: 15
 GIGANTISM: 1269, 2603, 4036
 GILLS: 3470
 GINGIVA: 938, 1848, 2839
 GINGIVAL DISEASES: 503
 GINGIVITIS: 503, 1848
 GIZZARD: 3478
 GLASS: 3488, 3890, 3933, 4064, 4360, 4540
 GLAUCOMA: 280, 524, 1195, 2147, 3303, 3969, 4164, 4396, 4443
 GLIBENCLAMIDE: 1482, 2980
 GLICLAZIDE: 2333
 GLIOBLASTOMA MULTIFORME: 347, 1296, 2457, 2862, 3448, 3829
 GLIOMA: 1058, 1437, 1621, 3069, 3927, 3963, 4236
 GLIOSIS: 343
 GLOBULINS: 3550, 4060, 4176, 4312
 GLOBUS HYSTERICUS: 2852
 GLOBUS PALLIDUS: 1886, 2759, 2954, 3291, 4417, 4603
 GLOMERULAR FILTRATION RATE: 177, 296, 1148, 1262, 1278, 1384, 1443, 1885, 2203, 2604, 2994, 3119, 3153, 3490, 4011, 4094, 4196, 4202, 4240
 GLOMERULONEPHRITIS: 150, 213, 787, 1011, 1299, 1450, 1488, 2076, 3229, 3442, 4025, 4068, 4139, 4658
 GLUCAGON: 6, 210, 318, 396, 410, 449, 465, 510, 846, 973, 1203, 1210, 1246, 1659-1660, 1844-1845, 2136, 2150, 2191, 2325, 2342, 2346, 2443-2445, 2485-2486, 3061, 3066, 3121, 3137, 3271, 3416, 3422, 3483, 3600, 3610, 3721, 3844, 3894, 3970, 4147, 4421, 4665
 GLUCOCORTICIDS: 27, 213, 401, 410, 425, 452, 496, 550, 1026, 1119, 1184, 1224, 1246, 1282, 1364, 1424, 1449, 1570, 1577, 1617, 1696, 1751, 1906-1907, 1925, 2104, 2218, 2371, 2385, 2453, 2465, 2919, 2930, 2939, 2956, 3040, 3061, 3084, 3136, 3295, 3531, 3535, 3738, 3740, 3772, 3783, 3824, 3845, 4028, 4066, 4068, 4089, 4188, 4194, 4199, 4225-4226, 4293, 4335, 4461, 4494, 4663
 GLUCOCORTICIDS, SYNTHETIC: 1184
 GLUCOCORTICIDS, TOPICAL: 744, 3969, 4714, 4718
 GLUCOKINASE: 203
 GLUCONATES: 1416, 1948
 GLUCONEOGENESIS: 57, 1202-1203, 1210, 1246, 3740, 3940, 4359, 4421, 4665
 GLUCOSAMINE: 836
 GLUCOSAMINIDASE: 1895, 3597
 GLUCOSE: 6-7, 57, 133, 185, 276, 614, 627, 634, 636, 648, 656, 669, 747, 930, 975, 1019, 1125, 1178-1179, 1192, 1203, 1246, 1267-1268, 1358, 1381, 1384, 1507, 1526, 1587, 1727, 1735, 1869, 1871, 1904, 2176, 2314, 2447, 2487, 2529, 2602, 2643, 2729, 2924, 2954, 2981, 3071-3072, 3132, 3316, 3491, 3494, 3531, 3670-3671, 3776-3777, 3804, 3822, 3972, 4009, 4026, 4101, 4126, 4208-4209, 4286, 4343, 4395, 4463, 4559, 4598, 4610, 4638, 4665
 GLUCOSE OXIDASE: 3566, 4665
 GLUCOSE TOLERANCE TEST: 65, 274, 634, 641, 892, 1300, 1401, 1526, 1753, 2628, 2951, 2984, 3038, 3096, 3249, 3918, 4626, 4665
 GLUCOSEPHOSPHATASE: 1895, 2812, 3072, 3493
 GLUCOSEPHOSPHATE DEHYDROGENASE : 97, 155, 203, 1139, 1181, 1407, 1489, 1504, 1537, 1744, 2540, 2552, 2620, 2812, 3319, 3847, 3980, 4029, 4362, 4537, 4588, 4665
 GLUCOSEPHOSPHATE DEHYDROGENASE DEFICIENCY: 126, 742, 1456, 1516
 GLUCOSEPHOSPHATE ISOMERASE: 1489
 GLUCOSEPHOSPHATES: 1179, 3507, 3776-3778
 GLUCOSIDASES: 836, 1377-1378, 2094, 2219, 2332, 2919, 3671
 GLUCOSIDES: 3238
 GLUCURONATES: 26, 198, 679, 1237, 1795, 2235, 2283, 2338, 2547, 2743, 3019, 3141, 3571, 4094, 4133
 GLUCURONIDASE: 198, 516, 881, 997, 1221, 1377, 1833, 1852, 1855, 2333, 2704, 2812, 3588, 3925, 3971, 4614
 GLUTAMATE DECARBOXYLASE: 217

SUBJECT INDEX

GLUTAMATE DEHYDROGENASE: 2344, 2812
 GLUTAMATES: 57, 215, 331, 366, 469, 730, 1784, 1794, 1905, 2208, 3056, 3480, 3552, 3644, 3936, 4009, 4803
 GLUTAMINE: 57, 1245, 1735, 1794, 3552, 4165, 4494
 GLUTAMINE SYNTHETASE: 1000, 1794, 2882, 3248
 GLUTAMYL TRANSPEPTIDASE: 434, 2176
 GLUTARALDEHYDE: 82, 2170
 GLUTATHIONE: 104, 126, 730, 1028, 1882, 2208, 3255, 3568, 4362
 GLUTATHIONE PEROXIDASE: 126
 GLUTATHIONE REDUCTASE: 126, 1489
 GLUTEN: 3036
 GLYCERALDEHYDEPHOSPHATE
 DEHYDROGENASE: 2436, 3336
 GLYCERIDES: 3506
 GLYCERIN: 7, 465, 569, 634, 1125, 1134, 1179, 1387, 1466, 1659, 2612, 2681, 3278, 3492, 3720, 4286, 4493
 GLYCEROL KINASE: 4171
 GLYCEROLPHOSPHATE
 ACYLTRANSFERASE: 4207
 GLYCEROLPHOSPHATE
 DEHYDROGENASE: 486, 1785, 2344, 2540, 3284, 3780, 4553
 GLYCEROPHOSPHATES: 2208, 2344, 3284, 3400, 4146
 GLYCERYL TRINITRATE: 1175
 GLYCINE: 80, 130, 215, 840, 886, 1245, 1596, 1905, 2154, 2389, 2497-2502, 2579, 2604, 2643, 3706, 3936, 4165, 4603
 GLYCOGEN: 510, 585, 607, 736, 807, 1038, 1203, 1597, 1684, 1727, 1884, 2363, 2570, 2924, 3104, 3200, 3491, 3543, 3558, 3715, 3985, 4409, 4421, 4638
 GLYCOGEN PHOSPHORYLASE: 994, 1203, 1528, 1785, 2150, 3037, 3200, 4286, 4506
 GLYCOGEN SYNTHETASE: 736, 994, 1203, 2363, 2990, 3543, 3673, 3778
 GLYCOGEN SYNTHETASE
 PHOSPHATASE: 3543
 GLYCOGENOSIS: 1516
 GLYCOLATES: 4293
 GLYCOLIPIDS: 759, 3368
 GLYCOLYSIS: 50, 930, 1202, 1635, 1659, 3200, 3843, 3940, 4471, 4665, 4730
 GLYCOPEPTIDES: 1041
 GLYCOPROTEINS: 38, 260, 287, 351, 436, 587, 607, 836, 893, 1007, 1076, 1368, 1718, 3126, 3260, 3307, 3368, 3386, 4060, 4143, 4309, 4434, 4645
 GLYCOSAMINOGLYCANS: 785, 1016, 1570, 2283, 3380
 GLYCOSIDE HYDROLASES: 575-576, 1869, 2094, 2679, 2824, 3893
 GLYCOSIDES: 2127, 3141
 GLYCOSURIA: 789, 2998, 3566
 GLYOXAL: 4105
 GLYOXYLATES: 359
 GOATS: 603, 676, 1614, 1623, 1627, 1703, 1740, 1856, 1924, 1970, 2005, 2061, 2204, 2768, 3578, 3950, 4185, 4210
 GOITER: 39, 194, 305, 715, 757, 960-961, 1252, 1286, 1391, 1410, 1423, 1432, 1578, 1579, 1658, 1670, 1678, 1700, 1860, 1958, 1963-1964, 2007, 2226, 2496, 2679, 2857, 2989, 3087, 3127, 3186, 3366, 3405, 3439, 3917, 4586-4587, 4674
 GOITER, ENDEMIC: 134, 588, 788, 953, 2270, 2758, 3159, 3862, 4031, 4702
 GOITER, EXOPHTHALMIC: 21, 194, 717, 755, 969, 1030, 1079, 1145, 1719, 1773, 1790, 2214, 2244, 2312, 2437, 2619, 2702-2703, 3074, 3403, 3585, 3669, 3751-3752, 3927, 4032, 4141, 4147, 4398, 4429
 GOITER, NODULAR: 517, 959, 961, 1084, 1679, 1719, 1976, 2289, 2617, 2692, 2888, 4569
 GOITER, SUBSTERNAL: 2434, 4585
 GOLD: 782, 1439, 1449
 GOLD ISOTOPES: 756, 1297
 GOLD RADIOISOTOPES: 148
 GOLDFISH: 932, 3295
 GOLGI APPARATUS: 82, 236, 281, 339, 607, 967, 972, 1258, 1931, 2032-2033, 2122, 2398, 2704, 2925, 2974, 3192, 3495, 3497, 3583, 3832, 4294, 4403, 4606, 4671
 GONADOTROPINS: 1, 72, 114, 279, 334, 737, 833, 858, 1020, 1327, 1742, 2049, 2224, 2292,

2594, 2704, 2769, 2818, 2859, 3613, 3650, 3926, 3975, 4057, 4556
 GONADOTROPINS, CHORIONIC: 18, 114, 135, 163, 191, 214, 287, 313, 386, 397, 492, 638, 651, 680, 812, 860-861, 865, 913, 920, 1001, 1044, 1052, 1065, 1082, 1086-1087, 1154, 1174, 1216, 1235, 1358, 1408, 1427, 1461, 1594, 1604, 1623, 1726, 1749, 1807, 1828, 1835, 1920, 1932, 1977, 2010, 2120, 2149, 2192, 2319, 2466, 2632, 2668, 2778, 2818, 2831, 2942, 3006, 3030, 3110, 3126, 3128, 3253, 3337, 3395, 3431-3432, 3466, 3510, 3629, 3633, 3639, 3692, 3716, 3771, 3947, 3973, 3975, 4054-4055, 4057, 4113, 4147, 4220, 4309-4310, 4319, 4400, 4446, 4451, 4556
 GONADOTROPINS, PITUITARY: 493-494, 534, 551, 574, 906, 948, 1368, 1519, 1594, 2035, 2117, 2172, 2302, 2931-2932, 2967, 3345, 3461, 3545, 3579, 3656, 3975, 4010, 4045, 4516, 4591, 4633, 4684, 4686
 GONADS: 98, 116, 554, 682, 939, 986, 1007, 1055-1056, 1111, 1359, 1511, 2059, 2278, 2567, 2773, 2779, 3009, 3105, 3470, 3698, 3920, 3962, 4057
 GONANES: 767, 2581, 2793
 GONIOSCOPY: 1397, 4396
 GONORRHEA: 1559, 4548
 GOODPASTURE'S SYNDROME: 2528, 2777, 4025
 GOUT: 152, 1167, 3701
 GRAAFIAN FOLLICLE: 191, 212, 225, 272, 440, 525, 549, 664-666, 680, 754, 812, 991, 1044, 1358, 1734, 1782, 1911, 1916, 2066, 2362, 2419, 2476, 2618, 2626, 2631, 2811, 2817, 2932, 2974, 3006, 3634-3635, 3757, 3995, 4005, 4135, 4167, 4228, 4254, 4320, 4451, 4479
 GRAFT REJECTION: 79, 370, 373, 645, 673, 774, 809, 977, 1341, 1825, 1835, 1993, 2057, 2504, 3206, 3239, 3546, 3659, 3888, 3975, 4438, 4452
 GRAFT VS HOST REACTION: 139, 407, 441, 662, 2455, 3595, 3631, 3857, 3894, 4239
 GRAIN: 570, 1996, 2833, 3745
 GRAM NEGATIVE BACTERIA: 694, 1907, 2605
 GRAM POSITIVE BACTERIA: 694, 2605
 GRAMICIDINS: 1871, 3056
 GRANULATION TISSUE: 528, 845, 2839
 GRANULOCYTES: 3322, 4719
 GRANULOMA: 190, 456, 1260, 1953, 2414, 3044, 4724
 GRANULOMATOUS DISEASE, CHRONIC: 742, 2551, 3616
 GRANULOSA CELLS: 1622, 2974, 3006
 GRASSES: 1346, 1738, 2883, 3287, 4088, 4523
 GRASSHOPPERS: 361, 2591, 2797, 4201
 GRAVITATION: 916
 GRISEOFULVIN: 2123, 2675
 GROOMING: 1688, 3179, 3620, 4252
 GROSS VIRUS: 3813
 GROUP PROCESSES: 129, 3620
 GROWTH: 12, 201, 312, 710, 897, 1280, 1283, 1323, 1524, 1601, 1825, 2014, 2370, 2512, 2628, 2711, 3206, 3210, 3793, 3920, 4514
 GROWTH DISORDERS: 312, 644, 673, 889, 1229, 1283, 1395, 1404, 1483, 1636, 2025, 2549, 2603, 2711, 3069, 3182, 3585, 3690, 4192, 4260, 4322, 4366, 4666
 GROWTH SUBSTANCES: 1844, 3045, 3158, 3744, 4480
 GUANAZOLE: 3664
 GUANETHIDINE: 871, 1064, 1151, 1933, 2555, 3855
 GUANIDINES: 104, 219, 344, 351, 1362, 2240, 2366, 3674
 GUANINE: 4383
 GUANINE NUCLEOTIDES: 153, 1898, 2409, 2638, 3416, 3483, 3600, 3703, 4098, 4521
 GUANOSINE CYCLIC 3',5'
 MONOPHOSPHATE: 69, 85, 112, 166, 181, 358, 361, 382, 419, 431, 511, 579, 684, 710, 727, 770, 846-847, 1197, 1210, 1254, 1267, 1335, 1460, 1498, 1571, 1617, 1621, 1674, 1686-1687, 1802, 1808, 1845, 2062, 2078, 2260, 2308-2309, 2479, 2627, 2834-2835, 2907, 3066, 3158, 3166, 3316, 3341, 3373, 3496, 3543, 3570, 3602, 3608, 3673, 3710-3711, 3744, 3844, 4016, 4156, 4215, 4259, 4359, 4409, 4449, 4486, 4497, 4594, 4664
 GUANOSINE TRIPHOSPHATE: 199, 275,

299, 984, 1898, 2198, 2409, 2435, 3223, 3600, 3907, 4207, 4274
 GUANYL CYCLASE: 69, 984, 1617, 1649, 2173, 3744, 4467, 4520-4521
 GUILT: 3124
 GUINEA PIGS: 85, 97, 219, 259, 373, 385, 431, 442, 488-489, 535, 642, 658, 684, 812, 817, 840, 864, 904, 910, 933, 944, 973, 1055-1056, 1165, 1169, 1217, 1227, 1231, 1267, 1295, 1311, 1417, 1427, 1454, 1467, 1498, 1501, 1597, 1676, 1805, 1817, 1819, 1842, 1857, 1872, 1910, 1917, 2000, 2011, 2021, 2046, 2104, 2175, 2187, 2292, 2298, 2308-2309, 2396, 2423, 2451, 2552, 2603, 2621, 2641, 2694-2695, 2776, 2804, 2947, 2977, 3017, 3037, 3187, 3299, 3521, 3606, 3648, 3654, 3685, 3691, 3712, 3722, 3741, 3838, 3903, 3953, 3975, 4012, 4034, 4042, 4054, 4060, 4062, 4075, 4242, 4330, 4412, 4482, 4493, 4507, 4599, 4615
 GYMNASTICS: 3898
 GYNECOLOGIC DISEASES: 64, 1600, 2367, 2531, 2846, 2889, 3112-3113, 3349, 4144-4145
 GYNECOLOGIC NEOPLASMS: 683, 2264, 2748, 2800, 2933, 3349, 3406, 3418, 4704
 GYNECOLOGY: 704
 GYNECOMASTIA: 515, 552, 800, 2193, 2624, 3092, 3128, 3556, 3656, 3749
 GYRUS CINGULI: 1838

H

HABITUATION (PSYCHOPHYSIOLOGY): 2311
 HAEMOPHILUS INFECTIONS: 3182, 3334
 HAEMOPHILUS INFLUENZAE: 3182
 HAIR: 229, 577, 889, 1404, 1666, 2200, 2558, 2711, 2913, 3101, 3463, 4122, 4322
 HALF-LIFE: 176, 228, 336, 605, 969, 1031, 1111, 1361, 1385, 1554, 1816, 2016, 2169, 2310, 2407, 3023, 3040, 3380, 3742, 3838
 HALLUCINATIONS: 371
 HALLUCINOGENS: 226, 2511
 HALOGENS: 923, 964
 HALOPERIDOL: 626, 1263, 1572, 2571, 2573, 2648, 3609, 4236, 4407, 4487, 4609
 HALOTHANE: 930, 1539-1540, 2760, 2802, 3223, 3626, 4356, 4464
 HAMARTOMA: 1284, 3109
 HAMSTERS: 120, 309, 445, 488, 607, 664-666, 817, 836, 1231, 1245, 1319, 1474-1475, 1537, 1630-1631, 1681, 1772, 1804, 1823, 1928, 2039, 2045, 2170, 2314, 2366, 2396, 2477, 2526, 2641, 2786-2787, 2810, 2993, 2996, 3105, 3179, 3193, 3294, 3413, 3415, 3560, 3584, 3706, 3742, 3835, 3974, 4018, 4042, 4086, 4138, 4161, 4470, 4507, 4541, 4637, 4649
 HAND: 319, 1093, 2166, 3196, 3701, 3826, 4247
 HAND DEFORMITIES, ACQUIRED: 3701
 HAND-SCHUELLER-CHRISTIAN SYNDROME: 2361
 HANDLING (PSYCHOLOGY): 321, 1183
 HAPLOIDY: 687, 3949
 HAPTENS: 1200, 2058, 2842
 HAPTOGLOBINS: 2890, 3463
 HARDERIAN GLAND: 418
 HARDNESS: 2701, 3131
 HARDNESS TESTS: 3131
 HARMINE: 3921, 4134
 HAVERSIAN SYSTEM: 1992, 2272, 4246
 HAY FEVER: 3937, 4707
 HEAD INJURIES: 1894, 3927
 HEADACHE: 1499, 1793, 3315, 3547, 4484
 HEALTH: 2880
 HEALTH EDUCATION: 1386, 1827, 1837, 4059, 4697
 HEALTH FACILITIES: 2511, 3682
 HEALTH INSURANCE FOR AGED, TITLE 18: 1285
 HEALTH MAINTENANCE ORGANIZATIONS: 1285
 HEALTH RESORTS: 2829
 HEALTH SURVEYS: 3849
 HEARING DISORDERS: 77, 101, 1666
 HEART: 22, 46, 69, 97, 105, 286, 511, 796, 927, 1165, 1205, 1217, 1295, 1311, 1320, 1390, 1464, 1498, 1555, 1799, 1872, 1917, 1983, 2048, 2086, 2105, 2128, 2183, 2267, 2298, 2309, 2328, 2359-2360, 2409, 2540, 2794, 2840, 2934, 2947, 2950, 3089, 3168, 3326, 3430, 3506, 3691, 3725, 3752, 3818, 3838, 3908, 3962, 4050-4051, 4092,

SUBJECT INDEX

- 4117, 4242-4243, 4360, 4487, 4506, 4592, 4670
HEART ARREST: 478, 2531
HEART, ARTIFICIAL: 2220
HEART ATRIUM: 22, 201, 631, 1205, 1311, 1464, 1543, 1592, 1842, 1910, 2046, 2086, 2350, 4117
HEART AUSCULTATION: 2858
HEART BLOCK: 2279
HEART CATHETERIZATION: 2052, 4051
HEART CONDUCTION SYSTEM: 1543, 2516, 3515
HEART DEFECTS, CONGENITAL: 628, 2454, 2549, 3346, 3479, 3771
HEART DISEASES: 526, 769, 1157, 1783, 3068, 3168, 3182, 3270, 3577, 3619, 3725, 4117
HEART ENLARGEMENT: 62, 2718, 2781
HEART FAILURE, CONGESTIVE: 447, 449, 868, 1470, 1949, 2408, 2722, 3012, 3293, 4225
HEART FUNCTION TESTS: 1545
HEART MURMURS: 1783
HEART RATE: 1, 22, 67, 201, 250, 409, 462, 526, 594, 600, 631, 943, 1042, 1148, 1166, 1311, 1487, 1543, 1613, 1840, 1910, 1984-1985, 2130, 2183, 2237, 2281, 2354, 2405, 2421, 2516, 2689, 2840, 3063, 3168, 3221, 3223, 3326, 3440, 3485, 3752, 3838, 3850, 3884, 3964, 3971, 4051, 4063, 4137, 4353, 4356, 4554, 4599
HEART SEPTAL DEFECTS: 2549
HEART SEPTAL DEFECTS, ATRIAL: 1014, 1464, 3241
HEART SURGERY: 177, 478
HEART VALVE DISEASES: 1783, 2858, 3293
HEART VALVE PROSTHESIS: 2746, 4485
HEART VENTRICLE: 201, 944, 1205, 1543, 1569, 2359-2360, 2445, 2639, 2934, 2947, 3166, 4050-4051, 4117, 4243, 4353
HEAT: 161, 247, 414, 659, 672, 918, 923, 1013, 1377, 1379, 1494, 1504, 1877, 1912, 1989, 2198, 2205, 2478, 2786, 2885, 3098, 3121, 3208, 3421, 3536, 3640, 3891, 4334-4335, 4395, 4461, 4489, 4518
HEATING: 1175, 1947
HEAVY CHAIN DISEASE: 2586
HEDGEHOGS: 1039
HELA CELLS: 749, 1422, 1447, 1582, 1772, 1877, 2884, 3808, 4537
HELIOGRAPHY: 1837
HELIUM: 1770
HELMINTHIASIS: 700
HEMADSORPTION INHIBITION TESTS: 1682
HEMAGGLUTINATION: 3593
HEMAGGLUTINATION INHIBITION TESTS: 1924, 3557, 3595, 3719, 4326
HEMAGGLUTINATION TESTS: 372, 909, 1762, 1765, 2292, 3359, 3639, 4227
HEMAGGLUTININS: 3595
HEMANGIOMA: 190, 1601, 2343, 2770, 3417, 3699, 3927, 4326, 4573
HEMANGIOMA, CAVERNOUS: 4590
HEMARTHROSIS: 87, 4598
HEMATOCRIT: 30, 48, 130, 772, 963, 1118, 1155, 1414, 1439, 1479, 1517, 1737, 1742, 1770, 1797, 2340, 2503, 2676, 2893, 3190, 3480, 3541, 3606, 4137
HEMATOLOGIC DISEASES: 1167, 2718, 3035, 3520, 3682, 4053
HEMATOLOGY: 65
HEMATOMA: 1809, 2068, 2770, 2862, 4590, 4642
HEMATOMA, SUBDURAL: 1809, 2862
HEMATOPHOSIS: 139, 2159, 3393, 3783, 4384
HEMATOPOIETIC STEM CELLS: 208, 346, 504, 2159, 2297, 3664
HEMATURIA: 5, 3229
HEME: 1531, 1624, 2642, 3680
HEMOPROTEINS: 4268
HEMIANOPIA: 1978
HEMICHOLINUM 3: 698, 2195
HEMIPLEGIA: 196, 1654, 3981
HEMIPTERA: 903
HEMOCYANIN: 4594
HEMODIALYSIS: 12, 106-107, 538, 1011, 1034, 1043, 1315, 1458, 1791, 1948, 2076, 2079, 2220, 2242, 2358, 2483, 2855, 2956, 3052, 3163, 3684, 3694, 3721, 4477-4478
HEMODIALYSIS, HOME: 1043, 2220
HEMODYNAMICS: 67, 250, 508, 1042, 1295, 1480, 1613, 2027, 2399, 2604, 2718, 2966, 3221, 3451, 3736, 4051, 4063, 4463, 4477
HEMOGLOBIN, SICKLE: 3955
HEMOGLOBINS: 12, 30, 548, 1394, 1797, 1846, 2146, 2503, 2676, 2998, 3255, 3458, 3463, 3541, 3649, 3849, 3955, 4126, 4158, 4267, 4391, 4727
HEMOGLOBINURIA, PAROXYSMAL: 1223
HEMOLYMPH: 3793
HEMOLYSINS: 2175
HEMOLYSIS: 48, 516, 3717
HEMOLYTIC PLAQUE TECHNIC: 608, 662, 909, 2101, 2400, 3264
HEMOPERITONEUM: 2597
HEMOPHILIA: 5, 87, 1456, 2890, 4391
HEMOPTYSIS: 4025
HEMORRHAGE: 5, 255, 270, 597, 772, 929, 1798, 1894, 2531, 3127, 3140, 3525, 4025, 4137, 4383, 4473
HEMORRHAGE, GASTROINTESTINAL: 1502, 1577, 2890, 3539
HEMORRHAGE, ORAL: 5, 2881
HEMORRHAGIC DIATHESIS: 1470, 3749, 4158
HEMOSIDEROSIS: 3025
HEMOSTASIS: 5, 1924, 3525
HEMOSTATICS: 763, 3525
HEPARIN: 121, 181, 870, 1413, 1529, 1600, 2912, 2995, 3122, 3190, 3462, 3590, 4064, 4478
HEPARIN CO-FACTOR: 3122
HEPARITIN SULFATE: 785, 2283
HEPATCTOMY: 754, 2627, 3858, 4188
HEPATIC ARTERY: 2919
HEPATIC COMA: 1598, 2341, 2718
HEPATIC VEIN THROMBOSIS: 931
HEPATIC VEINS: 185, 3019
HEPATITIS: 706, 1026, 1189, 1746-1747, 1921, 2075, 2193, 2220, 2595, 3068, 3120, 3821, 4169, 4365, 4405, 4447
HEPATITIS, HOMOLOGOUS SERUM: 2379, 3821
HEPATITIS, INFECTIOUS: 333, 1043, 1232, 2659, 4720
HEPATITIS, TOXIC: 1952, 4082
HEPATITIS VIRUS, HOMOLOGOUS SERUM : 3649
HEPATITIS VIRUSES: 333
HEPATOLENTICULAR DEGENERATION: 2222, 3175, 4025
HEPATOMA: 49, 248, 1223, 1284, 1760, 2154, 2158, 2824, 3158, 3535, 3813, 3821, 4013-4014, 4172, 4471, 4711
HEPATOMEGALY: 1002, 1103, 2659, 3649, 3925, 4158
HEREDITARY DISEASES: 766, 838, 1516, 2348
HERMAPHRODITISM: 583, 1967, 2827, 3080, 3426, 3686, 4235, 4401, 4620
HEROIN ADDICTION: 1520, 2767, 3613, 4669, 4726
HERPES SIMPLEX: 937, 4546
HERPES ZOSTER: 2938
HERPESVIRUS HOMINIS: 937, 3028, 3807, 4639
HERPESVIRUS INFECTIONS: 2040, 4206
HERPESVIRUSES: 4206
HETEROCHROMATIN: 867, 1115, 1207, 1533, 1851, 2251, 2297, 3180, 3199, 4191, 4578, 4596
HETEROCYCLIC COMPOUNDS: 1215, 2863, 3602
HETEROZYGOTE: 319, 349, 424, 1095, 1196, 1407, 1456, 2031, 2478, 2784, 2797, 3454, 3474, 4061, 4326, 4435, 4505, 4548
HEXACHLOROPHENE: 308, 694
HEXAMETHONIUM COMPOUNDS: 331, 1288, 1617, 1687, 4062
HEXOKINASE: 203, 234, 707, 1489, 1635, 2314, 2764, 4665
HEXOSAMINES: 1076, 1389, 2320, 2498-2499, 3313
HEXOSAMINIDASES: 3893
HEXOSE DIPHOSPHATASE: 4359
HEXOSE DIPHOSPHATES: 3507
HEXOSEPHOSPHATES: 4286, 4597
HEXOSES: 1076, 2320, 3143
HEXOSYLTRANSFERASES: 1684, 2704
HIBERNATION: 1511, 2411, 3754
HICCUP: 3085
HINDLIMB: 346, 513, 518, 1175, 1365, 1771, 2052, 2159, 3873, 4326
HIP: 842, 1336, 3462
HIP DISLOCATION: 1336
HIP DISLOCATION, CONGENITAL: 2545, 4500
HIP JOINT: 2330, 3420
HIPPEL-LINDAU DISEASE: 2584, 3437
HIPPOCAMPUS: 314, 408, 453, 581, 1004, 1208, 2116-2117, 2172, 2239, 2315, 2428, 2546, 2864, 3047, 3298, 3327-3328, 3615, 3641, 3654, 3754, 3791, 4222, 4654
HIPPURATES: 3537
HIRSUTISM: 496, 985, 1478, 1778, 2319, 3019, 3149, 3550, 3911
HISTAMINASE: 219, 350, 2726, 4308
HISTAMINE: 85, 219, 294, 297, 316, 333, 357, 427, 459, 642, 732, 870-871, 940, 1033, 1155, 1217, 1288, 1338, 1538, 1564, 1593, 1596, 1642, 1693, 1808, 2084, 2195, 2252, 2263, 2296, 2423, 2443-2444, 2581, 2948, 3385, 3572, 3608, 3643, 3674, 3712, 3729, 3952, 4062, 4308, 4463, 4508, 4555, 4599, 4670
HISTAMINE LIBERATION: 684, 1538, 2084, 2204, 2470
HISTAMINE METHYLTRANSFERASE: 3654
HISTIDINE: 570, 918, 1439, 1564, 1816, 2486, 2550, 3644
HISTIDINE DECARBOXYLASE: 1564
HISTIOCYTES: 907, 920, 1027, 3749
HISTOCOMPATIBILITY: 608, 3857
HISTOCOMPATIBILITY ANTIGENS: 662, 1226, 1993, 2890, 2957, 3219, 3592, 3687, 4450
HISTOCOMPATIBILITY TESTING: 2957, 3592
HISTOCYTOCHEMISTRY: 82, 169, 212, 331, 607, 649, 675, 776, 962, 1032, 1078, 1096, 1100, 1152-1153, 1165, 1190, 1220, 1542, 1557, 1622, 1629, 1645, 1670, 1748, 1785, 1836, 1859, 1884, 1931, 2076, 2147, 2153, 2248, 2410, 2420, 2424, 2591, 2623, 2653, 2664, 2866, 2925, 2929, 2977, 3037, 3059-3060, 3168, 3194, 3273, 3319, 3353, 3368, 3384, 3387, 3400, 3405, 3503, 3567, 3634, 3697, 3825, 3839, 3856, 3858, 3985, 4143, 4198, 4403, 4465, 4588, 4645, 4655
HISTOLOGICAL TECHNIQS: 809, 1473, 1884, 3048
HISTONE KINASE: 2198, 3779, 3907
HISTONES: 264, 307, 322, 480, 981, 994, 1530, 1589, 1630-1631, 2150, 2308, 2990, 3004, 3350, 3673, 3681
HISTOPLASMIN: 2933
HISTORY OF MEDICINE, 18TH CENT.: 2059, 3429, 3441, 3576, 3973, 4306
HISTORY OF MEDICINE, 19TH CENT.: 377, 2059, 2801, 3146, 3441, 3576, 3879, 4306
HISTORY OF MEDICINE, 20TH CENT.: 377, 793-794, 841, 1304, 1763, 1824, 1850, 1865-1867, 2059, 2202, 2220, 2801, 3097, 3106, 3146, 3178, 3441, 3576, 3704, 3879, 4078, 4084, 4306, 4678, 4700
HL-A: 939, 1226, 1504, 2057, 2957, 3592
HODGKIN'S DISEASE: 110, 151, 655, 830, 985, 1009, 1445, 1953, 2686, 2890, 2911, 2971, 3683, 4041, 4049, 4237, 4374, 4384
HOME NURSING: 5
HOMEOSTASIS: 100, 108, 276, 1578, 2044, 2148, 2203, 2566, 3000, 3033, 3061, 3436, 3521, 4202, 4331
HOMICIDE: 3124
HOMOARGININE: 659, 1426, 2401
HOMOCYSTEINE: 442, 2489, 2602-2603, 3674
HOMOCYSTINE: 2602
HOMOCYSTINURIA: 838, 2602-2603
HOMOGENITIC ACID: 2383
HOMOSERINE: 2486
HOMOSEXUALITY: 1008, 1061, 1340, 1688, 2845, 3660
HOMOSTEROIDS: 887, 1390, 2662
HOMOVANILLIC ACID: 217, 371, 1541, 2341, 2553, 2571, 3203, 3846, 4430
HOMOZYGOTE: 87, 424, 2031, 2478, 3182, 3454, 4548, 4600
HORMONE ANTAGONISTS: 165, 334, 1823, 3015, 3789, 4314
HORMONES: 79, 139, 165, 397, 489, 504, 636, 826, 858, 886, 909, 1041, 1202, 1246, 1259, 1484, 1488, 1501, 1605, 1683, 1714, 1767, 1828, 1893, 2197, 2324-2325, 2329, 2342, 2374, 2381-2382, 2425, 2465, 2564, 2598, 2732, 2849, 2929, 2994, 3053, 3061, 3083, 3118, 3143, 3156, 3173, 3357, 3369, 3392, 3427, 3466, 3483, 3531, 3533, 3602, 3711, 3728, 3758, 3940, 4033, 4057, 4251, 4265, 4328, 4441, 4471, 4528, 4552, 4699
HORMONES, ECTOPIC: 641, 1847, 2554, 2649

SUBJECT INDEX

3582, 3657, 4310
HORMONES, SYNTHETIC: 509, 644, 833, 932,
1647, 1671, 3274, 3766, 4200
HORNER'S SYNDROME: 4279
HORNS: 1782
HORSE DISEASES: 190, 3169, 4640
HORSES: 190, 337, 518, 732, 864, 1065-1066,
1638, 2019, 2351, 2934, 3037, 3169, 3361, 3599,
3903, 4184, 4507, 4562, 4640
HOSPITAL ADMINISTRATION: 3112
HOSPITAL BED CAPACITY: 1117
HOSPITAL DEPARTMENTS: 1565, 3112
HOSPITAL UNITS: 4713
HOSPITALIZATION: 175, 956, 1409, 1862,
1913, 4694
HOSPITALS: 798, 4078
HOSPITALS, COMMUNITY: 517
HOSPITALS, PSYCHIATRIC: 4713
HOSTILITY: 3786
HOUSING: 2852
HOUSING, ANIMAL: 125, 1310, 3334
HUMERAL FRACTURES: 1779
HUMERUS: 518, 1876, 2080, 2160, 2678, 3746,
3873
HUMIDITY: 3334, 3678, 4334
HUNGER: 1071, 3501
HYALIN SUBSTANCE: 2161, 2502, 3256
HYALINE MEMBRANE DISEASE: 1224, 2605
HYALURONIC ACID: 880, 2283, 3457, 3872
HYALURONIDASE: 115, 354, 2094, 2756,
3585, 3598, 3893, 4483
HYBRID CELLS: 1537, 1621, 2054, 2526, 2639,
3847, 4236
HYBRID VIGOR: 2014
HYBRIDIZATION: 290, 422, 1997, 2293, 3294,
3627, 3857, 4061
HYCANTHONE: 140
HYDANTOINS: 2875, 3378
HYDATIDIFORM MOLE: 874, 1461, 1798,
1920, 2029, 2846, 4144, 4220, 4255, 4406, 4568,
4621, 4706
HYDERGINE: 1800
HYDRALAZINE: 601, 2647, 3221
HYDRAMNIOS: 2433
HYDRARTHROSIS: 907, 4565
HYDRAZINES: 3062, 3609
HYDRAZONES: 2282, 3505
HYDRO-LYASES: 2602
HYDROCARBONS: 923, 3249
HYDROCARBONS, CHLORINATED: 115,
1784, 2875
HYDROCARBONS, FLUORINATED: 4570
HYDROCELE: 2030, 2690, 3162, 3314
HYDROCEPHALUS: 974, 1437, 1452, 1809,
1826, 2413, 2913, 3227
HYDROCEPHALUS, NORMAL PRESSURE:
4576
HYDROCHLORIC ACID: 3770
HYDROCHLOROTHIAZIDE: 447, 508, 2162,
3601
11-HYDROXYCORTICOSTEROIDS: 256
HYDROCORTISONE: 43, 59, 67, 106, 133, 147,
227, 238, 247, 290, 302, 307, 312, 320, 323, 379,
401, 410, 415, 466, 476, 486, 497, 528, 548, 582,
589, 610-611, 634, 650, 688, 690, 778, 835, 848,
852, 885, 893, 911, 999-1000, 1046, 1074, 1155,
1184, 1300, 1341, 1353, 1377-1378, 1401, 1438,
1478, 1507, 1561, 1582, 1611, 1637, 1698, 1723,
1740, 1774, 1794, 1801, 1812, 1840, 1893, 1897,
1909, 1938, 1966, 2021, 2032, 2040, 2065, 2090,
2094, 2106, 2114, 2130, 2152, 2192-2193,
2212-2213, 2225, 2233, 2235, 2237, 2277, 2332,
2336, 2340, 2346, 2371, 2376, 2441, 2510, 2552,
2554, 2577, 2587, 2590, 2595, 2624, 2651, 2653,
2663, 2693, 2750, 2760-2762, 2866, 2882, 2919,
2922, 2939, 2975, 3006, 3019, 3031, 3044, 3082,
3191, 3247, 3290, 3295, 3321, 3372, 3400, 3404,
3462, 3518, 3531, 3596, 3620, 3632, 3640, 3662,
3718, 3743, 3766, 3775, 3822, 3857, 3888, 3902,
3904-3905, 3944, 3951, 4002, 4026, 4028, 4060,
4089, 4138, 4151, 4217, 4226, 4231, 4238, 4253,
4286, 4296, 4301, 4367, 4455, 4476, 4481, 4533,
4541, 4557-4558, 4564-4565, 4601, 4610, 4612,
4615, 4627-4628, 4648, 4653, 4665
HYDROCORTISONE, TOPICAL: 1551, 1929,
2221, 2565, 3281, 3810, 4691
HYDROGEN: 826, 1332, 4541
HYDROGEN BONDING: 826
HYDROGEN-ION CONCENTRATION: 52,
113, 172, 174, 230-231, 237, 266-267, 275, 310,

322, 344-345, 358, 367-368, 510, 548, 575, 727,
769, 773, 776, 918, 924, 980, 987, 1036, 1120,
1130, 1132, 1299, 1347, 1358, 1377, 1389, 1416,
1513, 1625, 1693, 1699, 1767, 1794, 1802, 1829,
1840, 1877, 1882, 1938, 1989, 1994, 2123, 2162,
2252, 2341, 2368, 2375, 2386, 2485, 2518, 2539,
2579, 2681, 2685, 2803, 2885-2886, 2894, 2946,
2955, 2990, 3068, 3088, 3188, 3255, 3260, 3278,
3318, 3385, 3483, 3488, 3534, 3562, 3630, 3648,
3731, 3838, 3896-3897, 3907, 3953, 3976, 3978,
4105, 4201, 4209, 4259, 4286, 4316, 4353, 4356,
4442, 4488, 4497, 4528, 4599
HYDROGEN PEROXIDE: 730, 742, 1366, 2733,
3495
HYDROLASES: 904, 1852, 3271
HYDROLYSIS: 246, 778, 887, 947, 1356, 1378,
1382, 1459, 1550, 2019, 2679, 2734, 2806, 2961,
2986, 3255, 3260
HYDRONEPHROSIS: 2605, 3196
HYDROQUINONES: 1550
HYDROSTATIC PRESSURE: 2203, 4209
HYDROXIDES: 477, 3296
HYDROXY ACIDS: 185
HYDROXYAPATITES: 2085, 2366, 2666, 3296,
3795
4-HYDROXYBENZOATE
3-MONOOXYGENASE: 1624
HYDROXYBUTYRATE DEHYDROGENASE
: 3598
HYDROXYBUTYRATES: 1714
HYDROXYCHLOROQUINE: 734, 787
25-HYDROXYCHOLECALCIFEROL-1-HY:
204
HYDROXYCHOLECALCIFEROLS: 204, 254,
367-368, 688, 706, 729, 864, 954, 1121-1122,
1333, 1607-1608, 2375, 3647, 3817, 4066, 4240,
4693
HYDROXYCHOLESTEROL: 519, 1214, 2256
HYDROXYCORTICOSTEROIDS: 2235, 3052,
3295, 4541
11-HYDROXYCORTICOSTEROIDS: 242, 346,
401, 892, 1359, 1599, 2210-2211, 2266, 2276,
2595, 2737, 3078, 3117, 3843
17-HYDROXYCORTICOSTEROIDS: 288, 415,
497, 709, 1109, 1139, 1155, 1243, 1257, 1434,
1545, 1686, 1698, 2211, 2218, 2357, 2371, 2521,
2554, 2595, 2624, 3019, 3632, 3662, 4561, 4676
HYDROXYCORTICOSTEROIDS,
SYNTHETIC: 1451
17-HYDROXYCORTICOSTEROIDS,
SYNTHETIC: 2693
17-HYDROXYCORTICOSTEROIDS,
SYNTHETIC: 3058, 3458
18-HYDROXYCORTICOSTERONE: 873
18-HYDROXYDESOXYCORTICOSTERON:
3915, 4367
HYDROXYDIONE: 1531, 1638, 3766, 4648
HYDROXYDOFAMINE: 69, 331, 487, 596, 849,
895, 1042, 1152, 1651, 2461, 2667, 2924, 3205,
3553, 4295, 4375
HYDROXYINDOLEACETIC ACID: 321, 371,
540-541, 816, 1351, 1541, 1562, 1812, 1886,
2341, 2546, 2766, 3846, 3936, 4108, 4222, 4308,
4589
HYDROXYLAMINES: 1794
HYDROXYLASES: 367-368, 496, 690, 946,
1260, 1314, 1555, 1624, 1634, 1831, 1882, 2337,
2762, 3625, 4252, 4268, 4524
HYDROXYLATION: 690, 886, 1624, 1713,
1795, 1813, 3378, 3891, 4180, 4615
HYDROXYLYSINE: 918
HYDROXYMERCURIBENZOATES: 468
HYDROXYMETHYLGLUTARYL COA
REDUCTASES: 519, 2339
HYDROXYPREGNENOLONE: 1709
HYDROXYPROGESTERONE: 630, 690, 1478,
1680, 1709, 2010, 2463, 2476, 2717, 2818, 3149,
3910, 4113, 4188, 4226, 4615
HYDROXYPROLINE: 629, 646, 840, 989, 2387,
2498-2499, 2515, 2587, 2896, 3302, 3690, 3873,
3896, 4437, 4565
HYDROXYTAGLANDIN
DEHYDROGENASE: 2085
HYDROXYQUINOLINES: 3539
HYDROXYSTEROID DEHYDROGENASES:
135, 212, 338, 675, 1448, 1652, 1734, 2113,
2381-2382, 2391, 2691, 3014, 3278-3279, 3384,
3642, 4042
HYDROXYSTEROIDS: 197-198, 282, 519,
1429, 1531, 1638, 1715, 1911, 2387, 2743, 3088,

3152, 3155, 3451, 3759, 4006, 4580
HYDROXYSTILBAMIDINE: 1146
HYDROXYTRYPTOPHAN: 250, 522, 2187,
3434, 3936, 4197, 4482, 4487
HYDROXYUREA: 749, 1631, 2637, 2732, 2787
HYDROXYZINE: 3016
HYMECROMONE: 2338
HYMENOLEPIASIS: 700
HYMENOPTERA: 2937
HYOSCYAMINE: 2127
HYPERALDOSTERONISM: 122, 265, 506,
705, 719, 726, 829, 928, 1070, 1665, 1949, 1975,
2291, 2788, 3076, 3109, 3265, 4087
HYPERBARIC OXYGENATION: 73-74, 1091
HYPERBILIRUBINEMIA: 810, 914
HYPERBILIRUBINEMIA, HEREDITARY:
1507
HYPERCALCEMIA: 36, 237, 327, 405, 411,
842, 971, 1091, 1150, 1276, 1315, 1411, 1490,
1717, 1843, 1870, 2025, 2069, 2146, 2418, 2549,
2649, 3123, 3128, 3705, 3721, 3723, 3875, 4053,
4066, 4195, 4290, 4443, 4601, 4672-4673
HYPERCAPNIA: 2539, 3648
HYPERCHOLESTEREMIA: 124, 519, 2671,
3800
HYPEREMESIS GRAVIDARUM: 364
HYPEREMIA: 46, 2196, 3371, 4331
HYPERESTHESIA: 4299
HYPERGLYCEMIA: 274, 1489, 1545, 2031,
4508
HYPERINSULINISM: 274, 2031, 4101
HYPERKALEMIA: 1799
HYPERKINESIS: 481, 2715
HYPERLIPEMIA: 60, 263, 378, 772, 886, 1167,
1191, 2303, 2602, 2725, 2984, 3263, 3492, 3529,
3725, 4168
HYPERLIPEMIA, ESSENTIAL FAMILIAL:
1489, 2303
HYPERNATREMIA: 4659
HYPEROPIA: 47
HYPEROSTOSIS FRONTALIS INTERNA:
762, 2951
HYPERPARATHYROIDISM: 277, 324-325,
405, 617, 641, 646, 950, 971, 1043, 1433, 1468,
1717, 1739, 1941, 2418, 2495, 2577, 2660, 2673,
2753, 2847, 2952, 3091, 3123, 3156, 3208, 3269,
3292, 3449, 3524, 3530, 3622, 3721, 3799, 4211,
4501, 4539, 4723
HYPERPARATHYROIDISM, SECONDARY:
326, 706, 1191, 1262, 1315, 1796, 1992, 2272,
2753, 3005, 3091, 4211
HYPERPLASIA: 16, 800, 948, 1262, 1284, 1475,
1681, 1717, 2007, 2313, 2660, 2748, 3169, 3256,
4152, 4192, 4387, 4440, 4503
HYPERSENSITIVITY: 151, 1906, 3937, 4053
HYPERSENSITIVITY, DELAYED: 2693,
2933
HYPERSENSITIVITY, IMMEDIATE: 1538
HYPERSONNIA: 371
HYPERTELORISM: 628, 2770, 3346, 4495
HYPERTENSION: 4, 12, 69, 282, 265, 355, 416,
427-428, 484, 508, 613, 647, 699, 775, 789, 825,
868, 895, 925, 928, 997, 1063, 1166-1167, 1229,
1443, 1470, 1545, 1569, 1606, 1613, 1651, 1689,
1975, 2135, 2165, 2213, 2235, 2241, 2331, 2390,
2458, 2461, 2481, 2555, 2647, 2671-2672, 2689,
2781, 2832, 2948, 3019, 3033, 3063, 3156, 3200,
3222, 3239, 3262, 3290, 3363, 3538, 3601, 3611,
3618, 3731, 3736, 3759, 3784, 3794, 3850, 3921,
4052, 4132-4133, 4152, 4177, 4202, 4249, 4279,
4331, 4387, 4436, 4509, 4554, 4703
HYPERTENSION, MALIGNANT: 1012, 2390,
3033, 3256, 4067, 4477
HYPERTENSION, PORTAL: 2408, 3120
HYPERTENSION, RENAL: 265, 416, 758, 910,
1012, 1064, 1094, 1147, 1299, 1443, 1613, 1619,
1847, 2016, 2390, 2406, 2504, 2544, 2781, 2869,
2874, 3022, 3076, 3259, 3330, 3538, 4083, 4477
HYPERTHYROIDISM: 19-20, 110, 160, 360,
372, 412, 432, 434, 552, 612, 622, 635, 646, 669,
755, 814, 917, 961, 1084, 1106, 1128, 1164,
1209, 1257, 1423, 1464, 1489, 1670, 1679, 1697,
1719, 1766, 1783, 1821, 1868, 1933, 2075, 2097,
2179, 2226, 2320, 2364, 2404, 2407, 2429, 2608,
2614, 2702-2703, 2722, 2814, 2848, 2851, 2957,
2989, 2995, 3012, 3018, 3038, 3116, 3159, 3168,
3175, 3268-3269, 3405, 3441, 3586, 3669, 3678,
3774, 3794, 3916-3917, 3956, 4003, 4021, 4023,
4031, 4050-4051, 4111, 4186, 4278-4279, 4342,
4397, 4408, 4435, 4531, 4609, 4613

SUBJECT INDEX

HYPERTONIC SOLUTIONS: 42, 477, 805, 3381, 3501, 3811, 4463
 HYPERTRICHOSIS: 785
 HYPERTROPHY: 334, 688, 722, 866, 948, 1021, 1474-1475, 1922, 2069, 2365, 2383
 HYPNOSIS: 3392
 HYPNOTICS AND SEDATIVES: 526, 2766, 4121, 4552
 HYPOCALCEMIA: 25, 37, 211, 586, 1099, 1132, 1333, 1394, 1870, 1948, 2044, 2847, 2902, 3213, 3610, 3688, 3723, 4260, 4445, 4659
 HYPOGALACTIA: 1271
 HYPOGLYCEMIA: 410, 449, 457, 506, 589, 641, 1246, 1300, 1471, 1489, 1611, 1723, 2859, 3202, 3245, 4238, 4296, 4576, 4685, 4721
 HYPOGONADISM: 343, 712, 1293, 1328, 2013, 2036, 2081, 2193, 2259, 2319, 3550, 4401
 HYPOKALEMIA: 211, 829
 HYPONATREMIA: 653, 1545, 1640, 2856, 2859, 3657
 HYPOPARATHYROIDISM: 646, 950, 954, 1099, 1949, 2847, 3025, 3292, 3441, 3688, 3696, 4472
 HYPOPHOSPHATASIA: 2433, 3713, 4416
 HYPOPHOSPHATEMIA, FAMILIAL: 2495
 HYPOPHYSECTOMY: 81, 301, 395, 546, 549, 597, 601, 619, 772, 774, 780, 792, 834, 883, 947, 972, 1055, 1096, 1212, 1235, 1313, 1402, 1453, 1517, 1655, 1709, 1735, 1742, 1942, 1999, 2035, 2069, 2086, 2186, 2250, 2339, 2381-2382, 2450, 2468, 2572, 2603, 2615, 2684, 2771, 2871, 2932, 2984, 3066, 3106, 3151, 3191, 3274, 3295, 3428, 3822, 4016, 4036, 4098, 4176, 4318, 4421, 4441, 4674
 HYPOPITUITARISM: 323, 343, 377, 379, 644, 917, 961, 1223, 1441, 1449, 1499, 1611, 1636, 1680, 1947, 2249, 2509, 2512, 2859, 2965, 3652, 3879, 4231, 4490
 HYPOPROCONVERTINEMIA: 3127
 HYPOSPADIAS: 1105, 4475
 HYPOTENSION: 872, 1545, 1907, 2130, 3221, 4189, 4383
 HYPOTENSION, ORTHOSTATIC: 600, 4189
 HYPOTHALAMO-HYPOPHYSAL SYSTEM : 100, 121, 281, 343, 467, 571, 849, 961-962, 988, 1401, 1521, 1620, 1850, 1881, 2081, 2202, 2325, 2327, 2651, 2796, 2812, 2870, 2925, 3274, 3299, 3309, 3453, 3536, 3638, 3651, 3895, 3982, 4005, 4038, 4182, 4193, 4266, 4328, 4332, 4465
 HYPOTHALAMUS: 34, 55, 92, 108, 121, 137, 148, 169, 196, 217, 220-221, 246, 297, 307, 321, 357, 366, 398, 417, 487, 494, 533, 535, 561, 564, 581, 594, 598, 615, 619, 623, 648, 652, 745, 802, 849, 906, 911, 932, 967, 1007-1008, 1033, 1050, 1061, 1072, 1151, 1172, 1187, 1208, 1228, 1257, 1263, 1272, 1291, 1309, 1322, 1360, 1379-1380, 1436-1437, 1465, 1469, 1492-1493, 1503, 1556-1557, 1564, 1578, 1583-1584, 1592, 1620, 1637, 1650-1651, 1671-1672, 1694, 1698, 1716, 1728, 1754, 1777, 1814, 1886, 1955, 1960, 2051, 2087, 2103, 2107, 2118-2119, 2126, 2172, 2212, 2281, 2327-2329, 2377, 2384, 2411, 2422, 2431, 2458, 2493, 2516, 2519, 2563, 2594, 2694-2696, 2724, 2736, 2759, 2780, 2782, 2802, 2808, 2812, 2838, 2848, 2850, 2864, 2877, 2916, 2925-2926, 2928, 2943, 3054, 3060, 3064, 3071, 3077, 3273-3274, 3280, 3291, 3298, 3312, 3319, 3325, 3327-3328, 3331, 3465, 3476, 3480, 3482, 3486, 3501-3502, 3527-3528, 3536, 3540, 3555, 3558-3559, 3572, 3583, 3609, 3612, 3615, 3638, 3648, 3654, 3702, 3754, 3756, 3791, 3809, 3839, 3861, 3882, 3941, 3948, 3981-3982, 3989, 4020, 4038, 4063, 4080, 4096, 4101, 4103, 4117, 4143, 4157, 4159, 4171, 4196, 4213, 4222, 4252, 4261, 4287, 4296, 4321, 4332, 4413, 4417, 4462, 4488, 4512, 4522, 4559, 4622, 4654
 HYPOTHALAMUS, ANTERIOR: 967, 1360, 1716, 2107, 3185, 4417
 HYPOTHALAMUS, MEDIAL: 2118
 HYPOTHALAMUS, POSTERIOR: 1651, 2118
 HYPOTHERMIA: 1105, 1322, 1564, 1947, 4050, 4464
 HYPOTHERMIA, INDUCED: 560, 1014, 4050, 4209
 HYPOTHYROIDISM: 175, 305, 360, 372, 432, 612, 622, 646, 755, 814, 961, 969, 1075-1076, 1098, 1104, 1106, 1128, 1209, 1280, 1287, 1396, 1423, 1618, 1633, 1658, 1670, 1682, 1783, 1868, 1913, 1943, 1947, 2074, 2226, 2245, 2312, 2320, 2447, 2454, 2512, 2515, 2757, 2814-2815, 2848,

2859, 2881, 2982, 3441, 3492, 3529, 3575, 3639, 3678, 3730, 3739, 3785, 3837, 3881, 4065, 4111, 4346, 4397, 4490, 4531, 4576, 4613, 4666
 HYPOVENTILATION: 3085
 HYPOXANTHINE
 PHOSPHORIBOSYLTRANSFERASE: 1504, 1537, 2054, 3154, 3847, 4537
 HYPOXANTHINES: 258, 1245, 3708
 HYSTERECTOMY: 71, 341, 428, 536, 731, 1080, 1523, 2130, 2132, 2523, 2631, 2717, 3351, 3859-3860, 4402, 4491
 HYSTEROSALPINGOGRAPHY: 4376

I

IATROGENIC DISEASE: 3433, 4189
 IBUPROFEN: 2589
 ICHTHAMMOL: 3693
 ICHTHYOSIS: 1252
 IDENTIFICATION (PSYCHOLOGY): 4698
 IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS: 3794
 IDOXURIDINE: 768, 937, 2732, 3028
 IGA: 168, 677, 1450, 2217, 2790, 3796, 4041, 4450
 IGE: 684, 4324
 IGG: 161, 168, 677, 952, 1408, 1450, 1661-1662, 1762, 1990, 2217, 2437, 2619, 2677, 2790, 3120, 3321, 3661, 3684, 3825, 4041, 4450, 4466
 IGM: 168, 677, 1450, 1762, 1924, 1959, 2217, 2677, 2790, 3367, 4041, 4466, 4701
 IGUANAS: 598
 ILEITIS: 791
 ILEOSTOMY: 84, 312, 706, 1577
 ILEUM: 219, 706, 852, 1067, 1081, 1165, 2021, 2083, 2308, 2332, 4168
 ILIAC ARTERY: 2504
 ILIUM: 277, 763, 5259, 3713, 3872, 4416
 ILLEGITIMACY: 3311
 IMAGE ENHANCEMENT: 94
 IMIDAZOLES: 384, 462, 526, 1205, 1259, 1808, 1910, 2089, 2252, 2875, 3439, 3580, 3602, 3691, 4442, 4599, 4638
 IMIDES: 1898, 2485, 3458, 3483
 IMINES: 750
 IMINO ACIDS: 2507
 IMPRAMINE: 342, 469, 1912, 2766, 3527-3528, 3534, 3820, 4012, 4462
 IMMOBILIZATION: 388, 1091, 1529, 2117, 2321, 2958, 3326, 3806, 4522, 4617
 IMMUNE ADHERENCE REACTION: 165-166, 1751, 1771, 2170, 2527, 2541, 2621, 3289, 3341, 3829, 4232, 4241, 4398, 4450, 4519, 4664
 IMMUNE SERUMS: 141, 161, 608, 676, 678, 680, 861, 975, 1127, 1154, 1168, 1408, 1427, 1517, 1519, 1531, 1641-1642, 1662, 1670, 1680, 1805, 1924, 1931, 2074, 2100, 2468, 2552, 2586, 2644, 2664, 2668, 2842, 2909, 2934, 2956, 2972, 3100, 3148, 3321, 3477, 3584, 3593, 3659, 3813, 3835, 3903, 3950, 4094, 4144, 4166, 4281, 4297, 4424, 4427, 4479
 IMMUNE TOLERANCE: 4627-4628
 IMMUNITY: 645, 4169, 4632
 IMMUNITY, CELLULAR: 139, 151, 485, 608, 1041, 1341, 1661, 2482, 2527, 2551, 2693, 2933, 2937, 3051, 3219, 3263, 3444, 3607, 3628, 3649, 3666-3667, 3783, 3813, 3821, 3975, 4183, 4427, 4574
 IMMUNITY, PASSIVE: 1020, 1762, 2871, 4427
 IMMUNIZATION: 270, 689, 1331, 1805, 2065, 2871, 3020, 3588, 3796, 4183, 4466, 4627-4628, 4708
 IMMUNOASSAY: 2390, 2909, 3156, 3588, 3857, 3953
 IMMUNOCHEMISTRY: 4267
 IMMUNOELECTROPHORESIS: 864, 1319, 1352, 1990, 2374, 2566, 2768, 3208, 3340, 3685, 4144-4145, 4281-4282
 IMMUNOGENETICS: 422, 608, 1041, 4389
 IMMUNOGLOBULIN FRAGMENTS: 1959, 2586, 3382
 IMMUNOGLOBULINS: 38, 1030, 1088, 1139, 1450, 1614, 1670, 1835, 1990, 2582, 2621, 2790, 2929, 3289, 3628, 3649, 3783, 3813, 3889, 3975, 3977, 4032, 4186, 4365
 IMMUNOGLOBULINS, FC: 4210
 IMMUNOGLOBULINS, FAB: 2319, 3341, 4664
 IMMUNOGLOBULINS, J CHAIN: 3796

IMMUNOGLOBULINS, KAPPA CHAIN: 3659
 IMMUNOGLOBULINS, LAMBDA CHAIN: 3382
 IMMUNOGLOBULINS, SURFACE: 2527
 IMMUNOLOGIC DEFICIENCY
 SYNDROMES: 1450, 1959, 2217, 3444, 3628, 3666, 3783, 4232, 4450, 4574
 IMMUNOLOGIC DISEASES: 1657, 3649
 IMMUNOLOGIC MEMORY: 2101, 4183, 4628
 IMMUNOLOGIC TECHNIQS: 551, 2152, 4180, 4465
 IMMUNOSUPPRESSION: 422, 616, 2057, 2290, 2400, 2541, 2677, 2693, 2956, 3120, 3239, 3546, 3595, 3667, 3813, 3821, 4008, 4027, 4427, 4452, 4627-4628, 4668
 IMMUNOSUPPRESSIVE AGENTS: 150, 370, 435, 441, 782, 1026, 1143, 1449, 1657, 1825, 1906, 2065, 2352, 2385, 2455, 2528, 2622, 2777, 3136, 3649, 3975, 4068, 4241, 4365, 4715
 IMMUNOTHERAPY: 2290, 3428, 4707
 IMPOTENCE: 773, 1523, 3125, 3392
 IMPRINTING (PSYCHOLOGY): 2427
 IMPULSIVE BEHAVIOR: 1269
 INBREEDING: 3564
 INCISOR: 1160
 INCOME: 798, 3043
 INCUBATORS: 2537
 INDIANS, SOUTH AMERICAN: 3055
 INDICATOR DILUTION TECHNIQS: 501, 793, 4678
 INDICATORS AND REAGENTS: 251, 553, 2533, 2863, 3144, 4351, 4527
 INDIUM: 2449
 INDOLEACETIC ACIDS: 4430
 INDOLES: 353, 540-541, 620, 1361, 1529, 2304, 2489, 3173, 3602, 4134, 4425
 INDOMETHACIN: 46, 182, 245, 353, 411, 688, 787, 806, 870, 872, 941, 990, 1022, 1259, 1326, 1349, 1497, 1593, 1673-1674, 1730, 1780, 1786, 2399, 2569, 2592, 2661, 2893, 2936, 2949-2950, 3154, 3209-3210, 3330, 3443, 3625, 3702, 4066, 4080, 4317, 4331, 4594, 4717
 INDUSTRIAL MEDICINE: 2908, 3707
 INFANT: 12, 17, 59, 111, 119, 312, 366, 452, 590, 677, 690-691, 695, 734, 785-786, 881, 889, 925, 939, 946, 958, 974, 982, 1015, 1016, 1088, 1105-1106, 1157, 1162, 1177, 1201, 1239-1240, 1248, 1283, 1297, 1333, 1343, 1403-1404, 1503, 1509, 1524, 1612, 1628, 1648, 1654, 1677, 1749, 1796, 1826, 1837, 1967, 2025, 2042, 2063, 2067, 2095, 2102, 2137, 2239, 2255, 2283, 2300, 2361, 2415, 2426, 2439, 2457, 2469, 2471, 2506, 2515, 2534, 2549, 2565, 2580, 2598, 2605, 2624, 2659, 2769-2770, 2844, 2856, 2911, 2913-2914, 2982, 3061, 3069, 3135-3136, 3175, 3201, 3281, 3320, 3362, 3397, 3433, 3441, 3449, 3458, 3472, 3509, 3519-3520, 3551, 3628, 3632, 3688, 3713, 3760, 3762, 3783, 3790, 3827, 3849, 3866-3867, 3872, 3925, 3945, 3963, 3979, 3984, 4065, 4069, 4106, 4111, 4158, 4192, 4232, 4246, 4279, 4306, 4312, 4386, 4401, 4432, 4450, 4475, 4495, 4500, 4556, 4573, 4604, 4662-4663, 4672, 4722
 INFANT FOOD: 1677, 4373, 4525, 4672
 INFANT MORTALITY: 777, 1524, 4269
 INFANT, NEWBORN: 1, 8, 12, 111, 130, 167, 232, 293, 433, 586, 590, 667, 677, 690, 695, 706, 720, 734, 786-787, 808, 814, 880, 889, 910, 958, 1069, 1088, 1104, 1106, 1135, 1166, 1190, 1224, 1229, 1249, 1283, 1287, 1297, 1300, 1337, 1405, 1427, 1524, 1612, 1628, 1654, 1658-1659, 1677, 1813, 1821, 1845, 1860, 1965, 1967, 2030, 2042, 2082, 2091, 2111, 2137, 2226, 2231, 2280, 2283, 2288, 2347, 2415, 2433, 2457, 2469, 2506, 2549, 2580, 2598, 2605, 2769-2770, 2847, 2913, 2939, 2995, 3101, 3140, 3175, 3201, 3227, 3267, 3276, 3306, 3308, 3362, 3433, 3436, 3456-3457, 3479, 3519, 3610, 3698, 3762, 3771, 3826, 3840, 3849, 3852, 3866, 3945, 3979, 3984, 4023, 4065, 4071, 4158, 4258, 4260, 4265, 4279-4280, 4300, 4306, 4312, 4322, 4386, 4420, 4468, 4525, 4549, 4556, 4624, 4629, 4663, 4669, 4688, 4720, 4722, 4727
 INFANT, NEWBORN, DISEASES: 1, 111, 232, 1104, 1166, 1287, 1300, 1821, 1860, 2020, 2030, 2847, 3140, 3519, 4186, 4258, 4260, 4420, 4468
 INFANT NUTRITION: 111, 1524, 1677, 1813, 3610, 4525, 4629
 INFANT NUTRITION DISORDERS: 1813, 3458, 4260
 INFANT, PREMATURE: 111, 586, 590, 1135, 1249, 1813, 2433, 3840, 4525

SUBJECT INDEX

INFANT, PREMATURE, DISEASES: 706
 INFANTILISM: 2959, 4192
 INFARCTION: 1801, 2862, 4015
 INFECTION: 240, 825, 976, 1143, 1449, 3267, 3322, 3984, 4053, 4059, 4185, 4443
 INFECTIOUS BOVINE RHINOTRACHEITIS : 1451
 INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS: 142, 1451
 INFECTIOUS BURSAL AGENT: 1959
 INFECTIOUS MONONUCLEOSIS: 3187
 INFERIOR COLLICULUS: 4261
 INFLAMMATION: 149, 240, 806, 1260, 1517, 2124, 2212, 2310, 2422, 2455, 2592, 2663, 3143, 3183, 3204, 3717, 3852, 4053
 INFLUENZA: 2654, 3557
 INFLUENZA VACCINE: 3557
 INFORMATION RETRIEVAL SYSTEMS: 65
 INFORMED CONSENT: 1781
 INFUSIONS, PARENTAL: 221, 296, 501, 1016, 1199, 1466, 1819, 1813, 1948, 2590, 2804, 2944, 2970, 3031, 3185, 3252, 3292, 3540, 3571, 3972, 4094, 4283, 4380, 4533
 INGUINAL HERNIA: 4495
 INHALATION THERAPY: 2336
 INHIBITION (PSYCHOLOGY): 3861
 INJECTIONS: 125, 559, 689, 1066, 1355, 1382, 1925, 2080, 2462, 2516, 2696, 3039, 3185, 3381, 3502, 3555, 3781, 3811, 4063, 4375, 4417, 4463, 4554
 INJECTIONS, INTRA-ARTERIAL: 1488, 2252, 2516, 3625, 4119, 4343, 4455
 INJECTIONS, INTRA-ARTICULAR: 2212, 2221, 4489
 INJECTIONS, INTRADERMAL: 537, 2933, 4183
 INJECTIONS, INTRALYMPHATIC: 3104
 INJECTIONS, INTRAMUSCULAR: 140, 143, 158, 177, 203, 274, 471, 547, 586, 638, 720, 963, 1066, 1406, 1466, 1553, 1802, 1856, 1922, 2231, 2257, 2796, 2853, 3195, 3468, 3478, 4108, 4131, 4138, 4466, 4560
 INJECTIONS, INTRAPERITONEAL: 189, 258, 330, 605, 618, 642, 682, 707, 936, 1186, 1264, 1322, 1382, 1440, 1553, 1562, 1645, 1830, 1979, 2407, 2547, 3221, 3273, 3742, 4188, 4375, 4400, 4455, 4462, 4553-4554
 INJECTIONS, INTRATHECAL: 1018
 INJECTIONS, INTRAVENOUS: 13, 123, 221, 314, 330, 379, 491, 526, 872, 922, 936, 961, 1022, 1061, 1130, 1173, 1260, 1296, 1414, 1421, 1462, 1563, 1676, 1762, 2050, 2234, 2279, 2516, 2552, 2836, 2872, 2944, 2988, 3229, 3261, 3320, 3451, 3529, 3540, 3625, 3742, 3794, 3958, 4019, 4225, 4417, 4493, 4595, 4621, 4630, 4635
 INJECTIONS, SUBCUTANEOUS: 79, 472, 592, 707, 1290-1291, 1377-1378, 1629, 1738, 1743, 1881, 1923, 1940, 2571, 2687-2688, 2915, 3221, 3461, 3903, 4482, 4661
 INNOMINATE ARTERY: 3275
 INNOMINATE VEIN: 3875
 INOSINE: 1197, 1288
 INOSINE NUCLEOTIDES: 275, 1197, 2260, 2409
 INOSINE CYCLIC 3',5' MONOPHOSPHATE : 4259, 4497
 INOSITOL: 3972
 INSECT HORMONES: 3793
 INSECTICIDES, ORGANOCHLORINE: 2338
 INSECTIVORA: 3224-3225
 INSECTS: 1115, 3679, 4524
 INSEMINATION, ARTIFICIAL: 18, 1732, 2723, 3835, 3983, 4507, 4560
 INSEMINATION, ARTIFICIAL, HETEROLOGOUS: 1523
 INSEMINATION, ARTIFICIAL, HOMOLOGOUS: 1523
 INSOMNIA: 1388, 2852
 INSTINCT: 4698
 INSULIN: 83, 105, 112, 263, 274, 286, 323, 410, 449, 457, 467, 589, 614, 634, 636, 656, 715, 732, 736, 747, 796, 846, 848, 892, 927, 973, 994, 1073, 1139-1140, 1246, 1253, 1259, 1300, 1413, 1468, 1471, 1477, 1526, 1611, 1714, 1723, 1735, 1753, 1844-1845, 1895, 1996, 2031, 2055, 2136, 2142, 2212, 2227-2228, 2325, 2339-2340, 2342, 2363, 2460, 2529, 2550, 2552, 2628, 2698, 2744, 2747, 2750, 2930, 2981, 2984, 2995, 3004, 3038, 3050, 3061, 3137, 3156, 3173, 3202, 3249, 3255, 3271, 3422-3423, 3492, 3531-3532, 3553, 3563,

3687, 3720, 3804, 3917-3918, 3932, 3953, 3957, 4004, 4008, 4014, 4020, 4101, 4147, 4171, 4209, 4231, 4238, 4254, 4265, 4286, 4493, 4533, 4559, 4612, 4633, 4665
 INSULIN ANTIBODIES: 2552, 3050, 3156, 3271, 3953
 INSULIN, PROTAMINE ZINC: 707, 3132
 INSULIN RESISTANCE: 274, 707, 1468, 2529
 INSULINASE: 3953
 INSURANCE, HEALTH: 1285
 INTELLIGENCE: 1269, 1280, 1654, 2610, 3786
 INTELLIGENCE TESTS: 881, 1496, 2611, 4685
 INTENSIVE CARE UNITS: 67, 1598, 1894
 INTERCELLULAR JUNCTIONS: 1399, 3194, 3335, 4235
 INTERFERON: 2374
 INTERNATIONAL EDUCATIONAL EXCHANGE: 1047
 INTERPERSONAL RELATIONS: 3392
 INTERPROFESSIONAL RELATIONS: 3707
 INTERRENAL GLAND: 597, 948, 1096
 INTERTRIGO: 59
 INTERVIEW, PSYCHOLOGICAL: 2610
 INTESTINAL ABSORPTION: 204, 208, 254, 376, 603, 791, 852, 889, 1166, 1262, 1435, 1615, 1705, 1739, 2041, 2643, 2814, 3323, 3436, 3647, 3803, 4070, 4155, 4217, 4439, 4692, 4723, 4730
 INTESTINAL DISEASES: 706, 1240, 4056, 4443
 INTESTINAL FISTULA: 603, 3171
 INTESTINAL MUCOSA: 204, 827, 836, 852, 855, 889, 1129, 1131, 1548, 1607-1608, 1615, 1701, 1774, 1871, 2083, 2173, 2175, 2332, 2538, 3352, 3647, 3698, 3952, 4179, 4217
 INTESTINAL NEOPLASMS: 1559, 4513
 INTESTINAL PERFORATION: 1577, 2531
 INTESTINAL POLYPS: 4391, 4418
 INTESTINAL SECRETIONS: 1615, 2083, 4195
 INTESTINE, LARGE: 2805, 3876, 4340
 INTESTINE, SMALL: 529, 603, 791, 836, 855, 955, 1168, 1596, 1701, 1871, 1877, 1985, 2017, 2041, 2332, 2447, 2876, 3630, 3723, 3952, 3958, 3997, 4062, 4179, 4394
 INTESTINES: 136, 173, 219, 510, 555, 618, 659, 672, 1049, 1176, 1377-1378, 2104, 2254, 2401, 2551, 2577, 2679, 2814, 2885, 3017, 3197, 3286, 3295, 3394, 3497, 3568, 3818, 4440
 INTRACELLULAR FLUID: 1697
 INTRACRANIAL PRESSURE: 1894, 2697, 4035
 INTRAOCULAR PRESSURE: 353, 524, 611, 1195, 1397, 1737, 2144, 2600, 2975, 3204, 3969
 INTRAUTERINE DEVICES: 35, 556, 688-689, 777, 798, 825, 839, 1604, 1726, 1793, 1902, 2070-2072, 2268, 2751, 2986, 3043, 3049, 3399, 3407, 4218, 4629
 INTRAUTERINE DEVICES, MEDICATED: 2986
 INTRINSIC FACTOR: 2374
 INTUBATION, GASTROINTESTINAL: 223, 258, 1577
 INTUBATION, INTRATRACHEAL: 177, 1261, 1472, 1894, 4018, 4663
 INULIN: 266, 733, 1885, 2109, 2604, 2966, 3972, 4094, 4165, 4196, 4488
 INVERSION (GENETICS): 349, 490, 1196
 INVERTEBRATE HORMONES: 3793, 4580
 INVERTEBRATES: 2311
 IODATES: 4031, 4523
 IODIDES: 56, 491, 742, 764, 836, 1416, 1580, 1663, 1690, 2005, 2378, 2389, 2414, 2642, 3375, 3750, 3801, 3828, 4170, 4221, 4523
 IODINE: 20, 158, 328, 584, 609, 635, 694, 738, 764, 814, 843, 866, 882, 900, 917, 953, 964, 1190, 1355, 1373, 1391, 1535, 1553, 1690, 1720, 1797, 1868, 1964, 2009, 2060-2061, 2108, 2112, 2166, 2246, 2320, 2378, 2518, 2530, 2543, 2579, 2692, 2758, 2805, 2815, 2821, 2863, 2991, 3139, 3183, 3195, 3439, 3478, 3495, 3536, 3552, 3801, 3807, 3953, 4031-4032, 4043, 4275, 4351, 4523, 4622-4623, 4630, 4651, 4695, 4702
 IODINE ISOTOPES: 1720, 2579, 3953
 IODINE ISOTOPES, DIAGNOSTIC: 134, 158, 446, 731, 757, 764, 959, 1015, 1084, 1371, 1463, 1576, 1700, 2222, 2226, 2291, 2430, 2617, 2630, 2703, 2757, 2859, 2975, 2982, 3116, 3389, 3774, 3799, 3916, 3967, 4003, 4054, 4351, 4397, 4674
 IODINE RADIOISOTOPES: 20, 121, 251, 289, 316, 360, 537, 606, 622, 651, 738, 768, 833, 843, 861, 865, 900, 969, 976, 987, 1104, 1158, 1168,

1253, 1267, 1297, 1302, 1329, 1355-1356, 1373, 1396, 1412, 1427, 1535, 1553, 1595, 1647, 1662, 1679, 1700, 1773, 1790, 1933, 1943, 1959, 2005-2006, 2045, 2055, 2061, 2074, 2077, 2180, 2227, 2246, 2312, 2425, 2443-2444, 2518, 2632, 2728, 2752, 2780, 2805, 2851, 2944, 2972, 2989, 2991, 3020, 3126, 3181, 3195, 3250, 3269, 3271, 3356-3357, 3404, 3423-3424, 3478, 3532-3533, 3585, 3639, 3643, 3659, 3782, 3801, 3807, 3917, 3953, 4032, 4043, 4091, 4116, 4162, 4170, 4200, 4210, 4221, 4276, 4354, 4388, 4424, 4513, 4569, 4622-4623, 4627, 4630, 4665, 4674
 IODIZED OILS: 2758
 IODOACETAMIDE: 1381
 IODOACETATES: 400, 3670, 3843, 4012, 4359
 IODOBENZATES: 1964, 2091, 2303
 IODOCHLORHYDROXYQUIN: 1551
 IODOHIPURIC ACID: 2991
 IODOPHORS: 2166, 3183
 IODOPROTEINS: 2099, 2758, 4091
 IODOPYRACET: 1384
 IODOTYROSINE: 784, 900, 987, 2006, 3944, 4275
 ION EXCHANGE: 394, 3245
 ION EXCHANGE RESINS: 823, 2023, 4215
 IONS: 52, 1912, 2955, 3430, 4044
 IONTOPHORESIS: 2318, 2821, 3299
 IOTHALMIC ACID: 764, 866, 1595
 IPRINDOLE: 1381
 IPRONIAZID: 3820, 4012
 IPOVERATRIL: 1205, 1295, 1983, 2279, 3137, 3691, 4062
 IRIIDIUM: 1493
 IRIDOCYCLITIS: 734, 4396
 IRIS: 196, 838, 1777, 2025, 2067, 3059, 3969, 4164, 4317, 4396
 IRITIS: 435
 IRON: 48, 189, 208, 400, 593, 750-751, 1028, 1067, 1229, 1493, 1624, 1797, 1862, 1965, 2147, 2449, 3036, 3099, 3144, 3182, 3323-3324, 3393, 3505, 3906, 4158, 4267, 4523, 4525, 4690, 4727
 IRON RADIOISOTOPES: 48, 189, 3393
 ISCHEMIA: 427, 513, 1118, 1182, 1278, 1737, 2331, 2919, 2949, 3625, 4052, 4473, 4575
 ISLANDS OF LANGERHANS: 449, 510, 614, 656, 1282, 1587, 2288, 2308, 2384, 2532, 2776, 3151, 3804, 3823, 3913, 3957, 4008
 ISLET CELL TUMOR: 641, 985, 3582
 ISOANTIBODIES: 2217, 2677, 3835, 3888, 4438
 ISOANTIGENS: 166, 290, 608, 939, 3219, 3321
 ISOCITRATE DEHYDROGENASE: 4029
 ISOELECTRIC FOCUSING: 113, 344, 389, 402, 510, 905, 2374, 2518, 2579, 2620, 2795, 2803, 3953, 4442
 ISOENZYMES: 234, 271, 322, 381, 575, 659, 672, 678, 707, 1049, 1181, 1794, 2173, 2401, 2645, 2885, 2890, 4127, 4486, 4518
 ISOFLUOROPHATE: 904, 3897
 ISOLATION PERFUSION: 2523, 4244
 ISOLEUCINE: 66, 1630
 ISOMERISM: 720, 1124, 1587, 2396, 2581, 2953, 3244, 3521
 ISONIAZID: 1839, 2290, 2414
 ISOPROTERENOL: 45, 85, 105, 113, 153, 299, 316, 318, 444, 458, 462, 522, 559, 569, 578-579, 743, 884, 940, 973, 1006, 1100, 1148, 1203, 1210, 1218, 1295, 1550, 1571, 1582, 1593, 1617, 1687, 1808, 1828, 1872, 1939, 1983, 2006, 2012, 2090, 2167, 2195, 2298, 2354, 2409, 2435, 2460, 2561, 2648, 2665, 2705, 2962-2963, 3029, 3089, 3137, 3205, 3317, 3325, 3485, 3501, 3504, 3531, 3691, 3703, 4037, 4236, 4286, 4317, 4353, 4360
 ISOQUINOLINES: 363, 3602
 ISOTONIC SOLUTIONS: 942, 1615, 3689
 ISOTOPE LABELING: 197, 1237, 1646, 1767, 2045, 2169, 3167, 3357, 3807, 3917, 4309
 ISOTOPES: 2380
 ISOXUPRINE: 2354
 J
 JAUNDICE: 1002, 1375, 2408, 2659, 2783, 3649
 JAUNDICE, CHRONIC IDIOPATHIC: 1516
 JAUNDICE, NEONATAL: 111, 667, 2593
 JAW NEOPLASMS: 3810
 JEJUNUM: 603, 669, 776, 791, 955, 1774, 2290, 2332, 2447, 2643, 2950, 3066, 3803, 4056, 4168
 JEWS: 1516, 1523
 JOINT DISEASES: 244, 785, 907, 1403, 2306,

SUBJECT INDEX

3420, 4565, 4598, 4701
JOINT PROSTHESIS: 513, 1336, 1779, 2589, 4530
JOINTS: 557, 725, 2139, 2426, 2522, 3475, 3979
JUDAISM: 1523
JUGULAR VEIN: 29, 325, 851, 1044, 1703, 3215, 3816, 3875
JURISPRUDENCE: 3707
JUVENILE HORMONES: 3679, 4201
JUXTAGLOMERULAR APPARATUS: 726, 2203, 2504, 3076, 3256, 4473

K

KALLIKREIN: 128
KALLIKREIN-TRYPSIN INACTIVATOR: 1480
KANGAROO RATS: 4337
KANGAROOS: 337, 1742
KAOLIN: 4040
KARYOMETRY: 2161, 2411, 3982
KARYOTYPING: 87, 172, 279, 349, 454, 490, 583, 691, 808, 813, 817, 939, 1123, 1177, 1196, 1269, 1277, 1293, 1343, 1476, 1491, 1533-1534, 1691, 1775, 1851, 1863, 2054, 2347, 2373, 2454, 2657, 2731, 2784, 2951, 3230, 3246, 3294, 3397, 3460, 3847, 4035, 4271, 4401, 4420, 4561, 4563, 4596, 4620, 4656, 4662
KERATIN: 681
KERATITIS: 1397
KERATITIS, DENDRITIC: 3028
KERATOCONJUNCTIVITIS: 1451, 4049
KERATOCONUS: 838
KERATOSIS: 43
KETAMINE: 526, 930, 2109, 3223, 4101, 4108, 4404
KETO ACIDS: 2513, 3260
KETOACID-LYASES: 359
KETOGLUTARIC ACIDS: 57, 1294
KETONE BODIES: 947
KETONE OXIDOREDUCTASES: 750-751
KETONES: 3046, 3383, 4571
KETOSIS: 1598
KETOSIS, DIABETIC: 3096
KETOSTEROIDS: 89, 135, 282, 338, 397, 519, 670, 674, 716, 1363, 1531, 1638, 1715, 2023, 2609, 2793, 3375, 3451, 3571, 4006
17-KETOSTEROIDS: 163, 401, 415, 497, 787, 876, 892, 906, 943, 997, 1236, 1257, 1380, 1434, 1704, 2024, 2178, 2211, 2218, 2224, 2247, 2403, 2521, 2554, 2595, 2624, 3632, 3911, 4399, 4561, 4580, 4676
KIDNEY: 4, 23, 27, 37, 49, 57, 122, 142, 148, 178-179, 182, 204, 211, 229, 250, 254, 263, 266-267, 287, 327, 337, 355, 368, 370, 385, 418, 426, 529, 584, 601, 616-617, 632, 647, 673, 696-697, 758, 787, 793, 808, 820, 890, 910, 914, 925, 933, 935, 954, 977-978, 990, 1064, 1067, 1070, 1075-1076, 1109, 1111, 1128-1129, 1147-1148, 1178, 1180, 1182, 1189, 1246, 1278, 1345-1346, 1356, 1384, 1427, 1444, 1448, 1476, 1491, 1555, 1606-1608, 1645, 1667, 1771, 1825, 1847, 1877, 1885, 1917, 1985, 1987-1988, 2017, 2051, 2057, 2062, 2076, 2086, 2109, 2173, 2183, 2196, 2203, 2209, 2237, 2331, 2343, 2399, 2402, 2449-2450, 2483, 2504, 2521, 2523, 2534, 2541, 2544, 2577, 2604, 2622, 2647, 2658, 2666, 2704, 2707, 2725, 2735, 2768, 2874, 2879, 2893, 2956, 2966, 2991, 2994, 3005, 3017, 3023-3024, 3105, 3119, 3129, 3153, 3165, 3202, 3239, 3256, 3259, 3283, 3293, 3330, 3333, 3343, 3356, 3401, 3490, 3557, 3610, 3625, 3647, 3657, 3673, 3683, 3702, 3705, 3709, 3742, 3771, 3818, 3822, 3888, 3903, 3913, 3928, 3958-3959, 4052, 4066-4067, 4075, 4082, 4089, 4094, 4115, 4126, 4137, 4147, 4196, 4200, 4202, 4211, 4218, 4244, 4295, 4331, 4340, 4394, 4426, 4438, 4448, 4452, 4473, 4475, 4494, 4521, 4541, 4571, 4592-4593, 4611, 4678, 4715
KIDNEY, ARTIFICIAL: 673, 2220
KIDNEY CALCULI: 405, 866, 1717, 1753
KIDNEY CONCENTRATING ABILITY: 1518, 2203, 2406, 3490, 4332
KIDNEY CORTEX: 57, 267, 891, 975, 1128, 1178, 1278, 1645, 2012, 2176, 2921, 3005, 3357, 4132, 4177, 4196, 4301
KIDNEY CORTEX NECROSIS: 1299
KIDNEY, CYSTIC: 866, 1011, 2343, 2855
KIDNEY DISEASES: 4, 122, 265, 539, 617, 789, 829, 845, 866, 925, 1083, 1143, 1146, 1518,

1689, 2265, 2343, 2672, 2777, 2976, 3068, 3293, 3346, 3538, 3619, 3724, 3967, 4083, 4473, 4715, 4723
KIDNEY FAILURE, ACUTE: 122, 449, 910, 977, 1178, 1278, 1490, 1885, 2242, 2287, 3163, 3256, 3684, 4308, 4659
KIDNEY FAILURE, CHRONIC: 12, 106-107, 326, 538, 617, 668, 1011, 1034, 1043, 1121-1122, 1262, 1299, 1315, 1458, 1607, 1791, 1885, 1948, 1992, 2079, 2220, 2273, 2405, 2541, 2718, 2753, 2855, 3153, 3208, 3688, 3694, 3817, 4066-4068, 4440, 4476-4478
KIDNEY FUNCTION TESTS: 590, 787, 1885, 2998, 4094
KIDNEY GLOMERULUS: 168, 296, 378, 400, 555, 1278, 2504, 2528, 2534, 2777, 3239, 3256, 3918, 4244, 4658
KIDNEY MEDULLA: 266, 891, 1178, 1645, 1987-1988, 2399, 3330, 3673, 3959, 4177, 4196
KIDNEY NEOPLASMS: 132, 473, 866, 925, 1078, 1312, 1661, 1681, 1843, 1847, 2140, 2265, 2343, 2971, 3076, 3315, 3398, 4087, 4348, 4433, 4513
KIDNEY, POLYCYSTIC: 2079, 2265, 2405, 4391
KIDNEY TUBULAR NECROSIS, ACUTE: 1949, 2287
KIDNEY TUBULES: 168, 267, 296, 367, 592, 733, 1278, 1595, 1705, 2287, 2375, 2534, 3000, 3256, 3293, 3373, 3851, 4011, 4265, 4494
KIDNEY TUBULES, DISTAL: 733, 1178, 1595, 1645, 2375, 3970, 4011, 4196
KIDNEY TUBULES, PROXIMAL: 733, 1645, 1681, 2162, 2176, 2203, 3851, 4011
KILLIFISH: 2761, 3129, 3705
KINETICS: 45, 52, 56, 112-113, 117, 135, 138, 153, 174, 181, 210, 221, 228, 231, 259, 264, 275, 278, 287, 298-299, 310, 322, 335, 351, 357-358, 375, 380-382, 394, 396, 443, 493-494, 519, 522, 569, 575-576, 609, 614, 637, 651, 656, 672, 727, 750, 805, 846, 893-894, 904, 924, 975, 980, 984, 987, 1000, 1031, 1046, 1059, 1068, 1087, 1100, 1106, 1120, 1127, 1141, 1156, 1179, 1181, 1202, 1259, 1262, 1294, 1347, 1362, 1377, 1385, 1415-1416, 1460, 1486, 1494, 1498, 1506, 1521, 1548, 1550, 1556, 1571, 1582, 1587, 1627, 1641, 1684, 1701, 1708, 1711, 1740, 1794, 1802, 1823-1824, 1844, 1862, 1877, 1882, 1888, 1897-1898, 1904, 1925, 1970, 1981, 1987-1989, 2047, 2056, 2062, 2085, 2104, 2108, 2129, 2143, 2150, 2154, 2197-2199, 2227, 2229, 2240-2241, 2260, 2267, 2296, 2308, 2326, 2329, 2337, 2346, 2378, 2409, 2420, 2423, 2435-2436, 2445, 2450, 2484-2488, 2517, 2620, 2625, 2634, 2638, 2645, 2652, 2704-2705, 2732-2733, 2764, 2784, 2803, 2834, 2885, 2894, 2900, 2944, 2947, 2999, 3008, 3045, 3050, 3088-3089, 3138, 3143, 3205, 3235, 3251, 3263, 3271, 3296, 3318, 3324, 3372-3373, 3385, 3402, 3416, 3443, 3459, 3483, 3505, 3507, 3532, 3535, 3550, 3562, 3600-3601, 3605, 3607, 3616, 3642, 3647, 3654, 3673, 3681-3682, 3703, 3729, 3770, 3779, 3788, 3792, 3845, 3883, 3894, 3907, 3940, 3966, 3972, 3976, 4007, 4014, 4043, 4084, 4089, 4105, 4156, 4199, 4201, 4221, 4259, 4264, 4268, 4277, 4316, 4358, 4412, 4425, 4430, 4442, 4449, 4486, 4488, 4494, 4497-4498, 4502, 4520, 4538, 4570, 4594, 4599, 4632
KININASE II: 3298, 4083
KININS: 128, 806, 872, 1393
KLEBSIELLA: 1370
KLEBSIELLA PNEUMONIAE: 2166, 2262
KLINFELTER'S SYNDROME: 896, 1114, 1251, 1279, 1612, 1967, 2020, 2731, 2951, 3241, 3246, 3339, 3550, 3656, 4192, 4271, 4420, 4561
KLIPPEL-FEIL SYNDROME: 3487
KNEE: 87, 2160
KNEE INJURIES: 2095
KNEE JOINT: 725, 907, 1786, 2212, 2306, 2663, 3468, 3998, 4019, 4530, 4565
KNOWLEDGE, ATTITUDES, PRACTICE: 3311
KREBS CYCLE: 2487, 3770, 3940
KRYPTON: 1608
KUPFFER CELLS: 2997, 4426
KWASHIORKOR: 2722, 3061, 4168
KYMOGRAPHY: 2581
KYNURENIC ACID: 30
KYNURENINE: 330, 4204
KYPHOSIS: 713, 2255

L

LABOR: 29, 303, 365, 498, 676, 1427, 2015, 2039, 2316, 2479, 2558, 3117, 3938, 4466, 4608
LABOR COMPLICATIONS: 365, 527, 3455, 3840, 4269
LABOR, FIRST STAGE: 3117
LABOR, INDUCED: 156, 667, 1462, 4370, 4507, 4641
LABOR, PREMATURE: 12, 1375, 2039, 2354, 3417, 4074, 4308
LABOR PRESENTATION: 3233
LABOR, SECOND STAGE: 3117
LABOR, THIRD STAGE: 3117
LABYRINTH DISEASES: 77
LABYRINTHINE FLUIDS: 2044
LACRIMAL APPARATUS: 2770, 3085
LACTALBUMIN: 38, 3709
LACTATE DEHYDROGENASE: 310, 1358, 1635, 1738, 1748, 1833, 2806, 3002, 3121, 3284, 3319, 3892, 4158, 4208, 4238, 4588, 4655
LACTATE DEHYDROGENASE ISOENZYMES: 1494, 3200
LACTATES: 46, 548, 648, 930, 1210, 1358, 1471, 1714, 2176, 2341, 2560, 2729, 2924, 2986, 3190, 3284, 3494, 3799, 3843, 3964, 4009, 4254, 4264, 4286, 4359, 4421, 4533, 4673
LACTATION: 38, 82, 111, 130, 143, 185, 207, 234, 241, 252, 303, 398, 498, 570, 577, 667, 752, 776, 853, 878, 968, 973, 1071, 1266, 1271, 1306, 1392, 1394, 1479, 1481, 1524, 1552, 1614, 1629, 1659, 1677, 1701, 1706, 1714, 1797, 1891, 1905, 1980, 1996, 2061, 2158, 2205, 2293, 2388, 2427, 2452, 2459, 2525, 2552, 2558, 2568, 2571, 2574, 2668, 2676, 2742, 2764, 2790, 2833, 2878, 3046, 3167, 3218, 3409, 3411, 3435, 3537, 3578, 3639, 3854, 3878, 3887, 3931, 3938, 3946, 3960, 3968, 3984, 3999, 4088, 4130, 4162, 4185, 4198, 4205, 4248, 4285, 4305, 4333-4335, 4412, 4448, 4466, 4507-4508, 4562, 4588, 4629, 4634, 4672, 4710, 4727
LACTATION DISORDERS: 340, 748, 1271, 1527, 2525, 2650-2651, 3650, 3747
LACTATION, PROLONGED: 4333
LACTOBACILLUS: 1730, 3394, 4528
LACTOBACILLUS CASEI: 642
LACTOGLOBULINS: 38
LACTONES: 801, 3915
LACTOPEROXIDASE: 2055
LACTOSE: 143, 627, 973, 2764, 3709, 4412, 4597
LACTOSE SYNTHETASE: 143, 1772, 2764, 3709
LAMINECTOMY: 1876, 3102
LAMPREYS: 582, 1355, 4266
LANGUAGE: 2852
LANGUAGE DISORDERS: 691
LANTHANUM: 2011, 2470, 3335, 4196
LAPAROSCOPY: 187, 313, 1108, 2531, 3737, 3947
LAPAROTOMY: 163, 401, 705, 1002, 1445, 1559, 2891, 3258, 4093
LARVA: 281, 361, 912, 919, 1032, 1144, 2182, 2254, 2392, 2937, 3009, 3679, 4159, 4191, 4578
LARYNGEAL NEOPLASMS: 1656, 2136, 2715, 3342, 3785, 3807, 4018, 4646, 4725
LARYNGEAL NERVES: 1958, 2857, 3441
LARYNGITIS: 452
LARYNGOSTENOSIS: 452
LARYNX: 3353, 3603
LASER COAGULATION: 4164
LATERALITY: 2133, 3601
LATEX FIXATION TESTS: 386, 2217, 3639
LATEX PARTICLES: 976, 3664
LATHYRISM: 2127, 4033
LE CELLS: 4598
LEAD: 148, 229, 358, 1346, 2420, 2879, 2886, 2940, 3105, 4216
LEAD POISONING: 2940
LEARNING: 1050, 1552, 2311, 3559
LECITHINS: 362, 640, 779, 1224, 1387, 2939, 3905, 4226, 4457
LEG: 2230, 2236, 2280, 2432, 2614, 3027, 3996, 4154, 4237
LEG DERMATOSES: 2353
LEG INJURIES: 2707
LEGISLATION, DRUG: 1781, 2073
LEGISLATION, MEDICAL: 1285, 2220, 3080
LEIOMYOMA: 14, 369, 495, 800, 1247, 1586, 1798, 3182, 3349, 4073, 4145

SUBJECT INDEX

- LEIOMYOSARCOMA: 258
 LENGTH OF STAY: 1014, 1409, 1913, 2186, 3140
 LENS, CRYSTALLINE: 592, 838, 2567, 4396
 LEPIDOPTERA: 419, 4580
 LEPROSTATIC AGENTS: 983, 2456
 LEPROSY: 1736, 2416, 2456, 2482
 LETHAL DOSE 50: 243, 330, 700, 739, 1264
 LETTERER-SIWE DISEASE: 2361
 LEUCINE: 80, 199, 330, 486, 605, 619, 1097, 1265, 1300, 1809, 1858-1859, 2397, 2476, 2563, 2909, 3912, 3989, 4014, 4162, 4239, 4421, 4564, 4575, 4696
 LEUCINE AMINOPEPTIDASE: 2263, 2464, 4238
 LEUCYL-BETA-NAPHTHYLAMIDASE: 2263
 LEUCYL T RNA SYNTHETASE: 257
 LEUKEMIA: 441, 1411, 2271, 2314, 2582, 3294, 3619, 3813, 3889, 4459, 4660
 LEUKEMIA, EXPERIMENTAL: 1657, 2297, 3219, 3321
 LEUKEMIA, LYMPHOBLASTIC: 103-104, 985, 1018, 1248, 2271, 2290, 3135, 4660
 LEUKEMIA, LYMPHOCYTIC: 151, 479, 2170, 3219, 3514, 3667, 4041
 LEUKEMIA L1210: 404, 1440
 LEUKEMIA, MONOBLASTIC: 2414, 3135, 3664
 LEUKEMIA, MYELOBLASTIC: 1248, 1692, 2271, 3135, 3217, 3315
 LEUKEMIA, MYELOCYTIC: 151, 523, 1248, 1502, 3187, 3294, 3749, 4158, 4402, 4621
 LEUKEMIA, RADIATION-INDUCED: 2851, 4394
 LEUKOCYTE COUNT: 240, 1341, 1751, 1797, 1917, 1990, 2482, 2541, 3322, 3889, 3943, 4082, 4394, 4506
 LEUKOCYTE CULTURE TEST, MIXED: 2057, 2414, 3219, 3888
 LEUKOCYTES: 58, 139, 547, 642, 845, 920, 976, 1277, 1833, 1990, 2340, 2592, 2782, 3289, 3322, 3464, 3495, 3588, 3608, 3616, 3847, 3925, 4028, 4329, 4362, 4574, 4598, 4730
 LEUKOCYTOSIS: 976, 1917
 LEUKODYSTROPHY, METACHROMATIC: 808
 LEUKOPENIA: 976, 1990
 LEVAMISOLE: 672
 LEVODOPA: 467, 2187, 2553, 2651, 2815, 2924, 3017, 3142, 3304, 3453, 3539, 3542, 4251, 4305, 4533, 4682
 LEVORPHANOL: 1621
 LEWIS BLOOD-GROUP SYSTEM: 351, 3463
 LEYDIG CELL TUMOR: 965, 1078, 2313, 3991
 LEYDIG CELLS: 3, 916, 948, 1655, 2161, 2313, 2664, 2977, 3037, 3110, 3360, 3583, 4295, 4686
 LH: 28, 78, 120, 157, 162, 172, 184, 269, 284, 313, 320, 336, 340-341, 357, 371, 374, 388, 397, 415, 423, 430, 440, 474, 534, 551, 651, 684-685, 680, 712, 748, 786, 790, 795, 812, 822, 824, 853, 861-862, 883, 892, 906, 991, 1020, 1034-1035, 1044-1045, 1056, 1061, 1090, 1138, 1174, 1187-1188, 1273, 1293, 1302, 1328-1329, 1368, 1401, 1417-1418, 1426, 1453, 1465, 1475, 1478, 1485, 1514, 1522, 1583, 1611, 1627, 1629, 1703, 1718, 1734, 1743, 1810, 1832, 1853-1854, 1883, 1893, 1972-1973, 1977, 1985, 1998, 2008, 2010, 2013, 2032, 2036, 2039, 2081, 2096, 2107, 2115-2117, 2120, 2134, 2185, 2193, 2214, 2216, 2232, 2245, 2300, 2325-2326, 2365, 2367, 2386, 2403, 2412, 2419, 2463, 2468, 2476, 2483, 2507, 2525, 2537, 2562, 2624, 2631, 2636, 2651, 2664, 2668, 2709, 2796, 2811, 2818, 2831, 2871, 2931-2932, 2935-2936, 2964, 2974, 2992, 3039, 3110, 3126, 3150, 3155, 3198, 3250, 3252, 3272, 3274, 3310, 3345, 3356, 3360, 3408, 3415, 3427, 3431, 3460-3461, 3509, 3511-3512, 3523, 3545, 3581, 3584, 3589, 3613, 3638, 3650-3651, 3718, 3747, 3765, 3787, 3805, 3809, 3815, 3833, 3871, 3944, 4005, 4038, 4043, 4046, 4057, 4080, 4109, 4166, 4231, 4284-4285, 4291, 4309-4310, 4339, 4344, 4350, 4357, 4364, 4380-4381, 4441, 4451, 4458, 4479, 4507, 4516, 4556, 4611, 4616, 4618-4619, 4633, 4639, 4680
 LH-FSH RELEASING HORMONE: 120, 269, 284, 320, 357, 374, 415, 537, 571, 638, 712, 748, 812, 822-824, 833, 851, 853, 861-862, 1034-1035, 1045, 1137-1138, 1188, 1331, 1426, 1465, 1514, 1527, 1583, 1703, 1723, 1743, 1883, 1890, 1932, 1998, 2013, 2036, 2096, 2134, 2302, 2307, 2329, 2365, 2367, 2507, 2594, 2838, 2925-2926, 2936, 2992, 3252, 3274, 3337, 3512, 3579, 3583, 3589, 3638, 3650, 3765, 3787, 3809, 3832, 3978, 4046, 4065, 4080, 4199, 4284, 4314, 4380-4381, 4458, 4633, 4639, 4680, 4684, 4708
 LIBIDO: 71, 1750, 4698, 4718
 LICHEN PLANUS: 2353, 3631
 LIDOCAINE: 1683, 2705-2706, 3137
 LIFE EXPECTANCY: 1297, 1305, 4709
 LIGANDS: 1232, 2484, 3883
 LIGASES: 1245
 LIGATION: 69, 123, 828, 1182, 1722, 2687, 2937, 3240, 3655, 3793, 4228, 4473, 4575
 LIGHT: 278, 300, 382, 522, 986, 1303, 1310, 1789, 1832, 1961, 2276, 2278, 2318, 2411, 2723, 2734, 3028, 3318, 3413, 3504, 3796, 3848, 3880, 3882, 3901, 4005, 4413, 4425, 4499
 LIGHTING: 2745
 LIMBIC SYSTEM: 321, 413, 911, 1369, 1886, 2022, 2119, 2474, 3047, 3203, 3572, 3641
 LINCOMYCIN: 1385, 4027
 LINITIS PLASTICA: 723
 LINKAGE (GENETICS): 232, 349, 1733, 3092, 3592, 4685
 LINOLEIC ACIDS: 202, 595, 858, 1668, 3887
 LINOLENIC ACIDS: 891, 1668, 3887, 4545
 LIONS: 2005
 LIP: 2025
 LIP NEOPLASMS: 837
 LIPASE: 2772, 2872, 3630
 LIPID MOBILIZATION: 73, 772, 796, 846, 2190, 2346, 2612, 3720
 LIPIDS: 50, 60, 203, 207, 263, 274, 339, 397, 449-450, 465, 569, 585, 595, 624, 759, 772, 792, 877, 1038, 1041, 1096, 1109, 1111, 1134, 1139-1140, 1233, 1271, 1303, 1381, 1402, 1406, 1413, 1484, 1505, 1602, 1629, 1659, 1744, 1874, 1904, 1927, 2061, 2153, 2190, 2313, 2380, 2540, 2671, 3044, 3046, 3143, 3200, 3224, 3388, 3405, 3492, 3529, 3531, 3642, 3725, 3803, 3891, 3906, 3952, 3959, 3990, 4037, 4053, 4126, 4168, 4205, 4248, 4285, 4294, 4457, 4575
 LIPOCHONDRODYSSTROPHY: 785, 1016, 1162, 1242, 2139, 3475, 3872
 LIPODYSSTROPHY: 3756, 4265
 LIPODYSSTROPHY, INTESTINAL: 955
 LIPOIC ACID: 1730
 LIPOIDOSIS: 557, 3475, 3761
 LIPOIODINE: 3942
 LIPOMA: 654, 2343
 LIPOMATOSIS: 2402
 LIPOPOLYSACCHARIDES: 999, 1730, 2101, 2842, 3100, 3238, 3659
 LIPOPROTEIN LIPASE: 1406
 LIPOPROTEINS: 78, 263, 1301, 1438, 1816, 3492, 3725
 LIPOPROTEINS, HDL: 3492, 3642
 LIPOPROTEINS, LDL: 3492, 3529, 3825
 LIPOPROTEINS, VLDL: 754, 1438, 3492, 3529
 LIPOSOMES: 117, 362, 779, 2018
 LISTERIA INFECTIONS: 3267
 LISTERIA MONOCYTOGENES: 904
 LITHIUM: 178, 394, 818, 1079, 1415, 1562, 1678, 1727, 1913, 2092, 2687, 2766, 3615, 3739, 3881, 4097
 LITTER SIZE: 78, 252, 708, 2459, 2710, 3931, 4729
 LIVER: 48-49, 70, 97, 112-113, 124, 143, 164, 173, 181, 185, 198-199, 202-204, 243, 274, 287, 293, 307, 310, 330, 375, 381, 385, 396, 404, 418, 421, 425, 442, 506, 510, 516, 529, 550, 553, 576, 584-585, 605-606, 613, 618, 632, 637, 659, 672, 696-697, 700, 702, 707, 729, 739, 750-751, 754, 807-808, 820, 846, 848, 877, 886, 891, 914, 927, 933, 947, 975, 981, 994, 1001, 1016, 1049, 1067, 1075, 1081, 1098, 1109, 1111, 1119-1120, 1128, 1176, 1186, 1202-1203, 1210, 1219, 1241, 1246, 1254, 1307, 1323, 1345-1346, 1364, 1382, 1402, 1444, 1448, 1472, 1505, 1507, 1512, 1528, 1530, 1555, 1599, 1609-1610, 1634, 1664, 1668, 1735, 1744-1745, 1760, 1794, 1812-1813, 1845-1846, 1877, 1881, 1895, 1905, 1912, 1917, 1921, 1925, 1952, 1980, 2028, 2047, 2051, 2055, 2082, 2099, 2104, 2128, 2142, 2150-2151, 2154-2155, 2158, 2169, 2173, 2182-2183, 2191, 2206, 2250-2251, 2261, 2305, 2308, 2339, 2341-2342, 2374, 2379, 2381-2382, 2389, 2401, 2408, 2433, 2435, 2446, 2449, 2485-2486, 2536, 2540, 2547, 2551, 2554, 2570, 2577, 2603, 2627, 2630, 2642, 2655, 2658, 2718, 2745, 2768, 2824, 2837, 2872, 2879, 2901, 2909, 2919, 2930, 2958, 2980, 3009, 3017, 3045, 3050, 3066, 3072, 3090, 3104-3105, 3121, 3133, 3158, 3175, 3202, 3247, 3271, 3351, 3356-3357, 3368-3369, 3372, 3401, 3411, 3416, 3423, 3433, 3478, 3483, 3488, 3494, 3496, 3506-3507, 3539, 3552, 3558, 3568, 3600, 3642, 3647, 3662, 3672, 3709, 3728, 3740, 3742-3743, 3757, 3761, 3764, 3778, 3780, 3802, 3818, 3821, 3844, 3887, 3892, 3903-3904, 3913, 3928, 3953, 3958, 3976, 4024, 4081-4082, 4089, 4098, 4120, 4126, 4132, 4138, 4147-4148, 4158, 4162, 4165, 4170, 4177, 4181, 4187, 4200, 4208, 4214-4216, 4218, 4268, 4286, 4340, 4355, 4359, 4394, 4421, 4447-4448, 4450, 4471, 4506, 4518, 4524-4525, 4541, 4564, 4593-4594, 4628, 4720
 LIVER ABSCESS, AMEBIC: 67, 657, 952, 4138
 LIVER CIRCULATION: 2408, 2718, 2781
 LIVER CIRRHOSIS: 122, 886, 954, 1236, 1522, 1689, 1760-1761, 1949, 2193, 2341, 2375, 2595, 2718, 2997, 3068, 3120, 3821, 4168-4169, 4267-4268, 4365
 LIVER CIRRHOSIS, EXPERIMENTAL: 3072
 LIVER CIRRHOSIS, OBSTRUCTIVE: 1189, 3649
 LIVER CIRRHOSIS, POSTNECROTIC: 3821
 LIVER DISEASES: 70, 122, 434, 613, 1049, 1238, 1843, 2295, 2408, 3120, 3182, 3764, 3967, 4230, 4443, 4730
 LIVER FUNCTION TESTS: 48, 1223, 1445, 2379, 2783, 3764, 4365
 LIVER GLYCOGEN: 506, 585, 1210, 1402, 2104, 3044, 3104, 3368, 3558, 4198, 4238, 4286, 4506
 LIVER NEOPLASMS: 49, 70, 248, 293, 653, 659, 723, 775, 1223, 1284, 1760, 2158, 2440, 2554, 2754, 2910, 3040, 3813, 3821, 4049, 4198, 4297, 4310, 4424, 4471, 4513, 4711, 4725
 LIVER REGENERATION: 404, 1745, 1899, 2158, 2408, 3858, 4188, 4471
 LIZARDS: 598, 948, 1693, 2468, 2756, 3130, 3377, 3995
 LOBSTERS: 382, 727, 2308
 LOCOMOTION: 3943
 LOCUSTS: 361, 2591, 4201
 LOMUSTINE: 3128
 LONG-ACTING THYROID STIMULATOR: 19-21, 784, 917, 1030, 1079, 1773, 2437, 2619, 3801, 3885, 4031-4032, 4186
 LONG TERM CARE: 372, 1043, 1731, 2358, 2364, 3556, 4478, 4674
 LOOP OF HENLE: 3490, 4011
 LUMBAR VERTEBRAE: 3762, 4263
 LUMINESCENCE: 56, 402, 1830
 LUNG: 183, 283, 293, 418, 501, 584, 618, 658, 684, 727, 771, 891, 914, 1067, 1075-1076, 1081, 1088, 1224, 1260, 1416, 1472, 1480, 1500, 1537, 1609, 1715, 1817, 2173, 2183, 2308-2309, 2314, 2446, 2488-2489, 2551, 2658, 2684-2685, 2735, 2756, 2901, 2939, 3065, 3090, 3199, 3298, 3353, 3357, 3534, 3771, 3807, 3818, 3840, 3913, 3939, 4012, 4025, 4086, 4190, 4209, 4218, 4226, 4520, 4541, 4701, 4724
 LUNG COMPLIANCE: 658
 LUNG DISEASES: 152, 1240, 1307, 1839, 1953, 2911, 4025, 4190, 4724
 LUNG DISEASES, OBSTRUCTIVE: 650, 1827, 3922
 LUNG NEOPLASMS: 72, 132, 226, 293, 659, 831, 1296, 1461, 1500, 1843, 1950, 2091, 2158, 2160, 2218, 2418, 2740, 2911, 3128, 3315, 3582, 3735, 3991, 4018, 4290, 4310, 4406, 4513, 4724-4725
 LUNG VOLUME MEASUREMENTS: 1487
 LUPUS: 3442
 LUPUS ERYTHEMATOSUS, SYSTEMIC: 165, 787, 1143, 1657, 1946, 1990, 2170, 2371, 2527, 2573, 2777, 3438, 3539, 3684, 3769, 4027, 4068, 4410, 4443, 4534, 4579, 4658, 4668
 LYASES: 7, 354, 1001, 3251, 4006
 LYMPH: 501, 1655, 1740
 LYMPH NODE EXCISION: 3991, 4674
 LYMPH NODES: 407, 422, 608, 645, 768, 999, 1241, 1685, 2100, 2236, 2305, 2446, 2551, 2586, 2621, 3401, 3479, 3894, 3903, 3986-3987, 4427, 4519
 LYMPHATIC METASTASIS: 653, 659, 723, 1297, 1843, 2003, 2050, 2160, 2189, 2649, 2952, 3342, 3735, 3991, 4313, 4655, 4725
 LYMPHATIC SYSTEM: 501, 2236, 3479

SUBJECT INDEX

LYMPHEDEMA: 3196, 4386
 LYMPHOCYTE DEPLETION: 2400, 4628
 LYMPHOCYTE TRANSFORMATION: 165,
 610-611, 677, 768, 904, 909, 999, 1158, 1623,
 1685, 2251, 2541, 2551, 2619, 2842, 2956, 3100,
 3158, 3219, 3667, 4066, 4467
 LYMPHOCYTES: 52, 139, 166, 407, 422, 485,
 749, 846, 904, 920, 984, 999, 1074, 1241, 1533,
 1537, 1623, 1649, 1661, 1685, 1751, 1771, 1845,
 2055, 2170, 2400, 2564, 2619, 3158, 3187, 3532,
 3595, 3606-3607, 3687, 3857, 3894, 3953, 3975,
 3986-3987, 4026, 4239, 4447
 B-LYMPHOCYTES: 290, 645, 1158, 1335, 2170,
 2527, 2621-2622, 2842, 3219, 3859, 3687, 4389,
 4467, 4628
 T-LYMPHOCYTES: 165, 290, 407, 504, 608,
 645, 662, 677, 768, 909, 999, 1158, 1335, 1450,
 1685, 1751, 2100, 2170, 2400, 2437, 2482, 2527,
 2541, 2621-2622, 2627, 3100, 3219, 3321, 3631,
 3813, 3845, 4183, 4232, 4389, 4398, 4450, 4519,
 4628
 LYMPHOGRAPHY: 1445, 2236, 2523, 3942,
 3991
 LYMPHOID TISSUE: 422, 2100, 4519, 4613
 LYMPHOKINES: 999, 3219
 LYMPHOMA: 151, 713, 742, 1318, 1424, 1445,
 1502, 2271, 3208, 3321, 3535, 3667, 3813, 3889,
 4310, 4374, 4513, 4724
 LYMPHOMA, GIANT FOLLICULAR: 1103
 LYMPHOPENIA: 139, 3666
 LYMPHOSARCOMA: 100, 190, 458, 502, 1215,
 2284, 2621, 2843, 3111, 4026, 4041, 4721
 LYMPHOTOXIN: 3888
 LYNSTRENOL: 1317, 1726, 3254, 4474
 LYSERGIC ACID DIETHYLAMIDE: 215,
 1277, 2174, 2648, 3974, 3993
 LYSINE: 570, 918, 1294, 1630-1631, 1987-1988,
 2519, 2806, 3552, 3681
 LYSINE VASOPRESSIN: 1723
 LYSOGENY: 1125
 LYSOSOMES: 236, 516, 607, 882, 904, 1021,
 1355, 1833, 1919, 2033, 2219, 2398, 2704, 2872,
 3010, 3098, 3137, 3192, 3279, 3400, 3495, 3588,
 3761, 3824, 3971, 4143, 4403, 4552

M

MACACA: 44, 547, 864, 1010, 1473, 1688, 1771,
 2010, 2366, 2729, 2768, 2789, 2816, 3086, 3427,
 3620, 3919, 4071, 4122, 4557
 MACACA RADIATA: 2424
 MACROMOLECULAR SYSTEMS: 6, 225, 529,
 769, 1718, 2214, 2282, 2386, 2634, 3041, 3130,
 3516, 3673, 3679, 3897, 4075
 MACROPHAGES: 485, 845, 904, 2053, 2065,
 2112, 2313, 2400, 2551, 2556, 3194, 3289, 3680,
 3813, 3824, 4000, 4598
 MACULA LUTEA: 435
 MACULAR DEGENERATION: 1143
 MAGNESIUM: 13, 36, 51-52, 66, 205, 211, 234,
 264, 275, 299, 375, 478, 482, 543, 586, 590, 944,
 1029, 1098, 1100, 1128, 1132, 1211, 1259, 1267,
 1292, 1306, 1350, 1528, 1597, 1738, 1745, 1784,
 1789, 1797, 1802, 1822, 1824, 1829, 1949, 1988,
 2062, 2131, 2360, 2387, 2435, 2440, 2485, 2550,
 2574-2575, 2625, 2634, 2658, 2676, 2682, 2706,
 2803, 2847, 2860, 2883, 2900, 2946, 3031, 3049,
 3057, 3213, 3234-3235, 3292, 3296, 3385, 3388,
 3500, 3551, 3600, 3610, 3673, 3681, 3751, 3778,
 3894, 3966, 4084, 4259-4260, 4264, 4439, 4442,
 4497, 4502, 4582
 MAGNESIUM DEFICIENCY: 211, 586, 1789,
 1949, 2386, 3388, 3688, 4439
 MAGNESIUM OXIDE: 4018
 MAGNESIUM SULFATE: 4209
 MAGNETICS: 400
 MALABSORPTION SYNDROMES: 706, 1618,
 1949, 2375, 2538, 3688, 3803, 3906, 4166, 4322
 MALACOPLOAKIA: 845, 1027
 MALARIA: 1765
 MALATE DEHYDROGENASE: 97, 203, 359,
 2344, 2812, 2909, 3319, 4301, 4655
 MALATES: 359, 930, 1202, 1784, 2487, 2924
 MALEATES: 2157, 2696, 3435, 4305
 MALIGNANT HYPERTHERMIA: 1350, 2043
 MALOCCLUSION: 628, 766
 MALONATES: 3966
 MALPRACTICE: 3707
 MALTOSE: 1377, 1869, 2332, 3671

MAMMAE: 81-82, 143, 234, 973, 1071, 1266,
 1329, 1392, 1547, 1614, 1708, 1740, 2158, 2205,
 2388, 2552, 2717, 2764, 3167, 3387, 3411, 3517,
 3619, 3960, 4162, 4412, 4454, 4466, 4588
 MAMMALS: 1231, 1456, 1572, 1624, 1764, 2005,
 2122, 3430, 3559
 MAMMARY CANCER VIRUS: 1392, 4612
 MAMMARY NEOPLASMS,
 EXPERIMENTAL: 234, 258, 615, 834, 858,
 1329, 1392, 1486, 1748, 2158, 2314, 2397, 3549,
 3709, 3923-3924, 4321, 4326, 4504, 4612
 MAMMILLARY BODIES: 1008, 2926, 3328,
 3480
 MAMMOGRAPHY: 49, 495, 552
 MANDELIC ACIDS: 4387, 4430
 MANDIBLE: 3005
 MANDIBULAR NEOPLASMS: 2629
 MANDIBULOFACIAL DYSOSTOSIS: 838
 MANGANESE: 275, 482, 944, 984, 1067, 1625,
 2803, 2900, 3334, 3691, 3892, 4259, 4442, 4502
 MANNITOL: 733, 942, 1894, 2326, 3972, 4597
 MANNOSE: 1389, 2981
 MANOMETRY: 915, 2080
 MARINE BIOLOGY: 2530
 MARMOSETS: 1741, 3233
 MARRIAGE: 798, 2082, 2683, 3311
 MARSUPIALIA: 337, 1742
 MASS SCREENING: 175, 1104, 1287, 1579,
 2165, 2380, 2880
 MASSAGE: 3640
 MASS CELLS: 1101, 1376, 1529, 1538, 2288,
 2497, 2502-2503, 3197, 4588
 MASTECTOMY: 834, 2717, 3218, 3656, 4378
 MASTICATION: 2119, 4261
 MASTICATORY MUSCLES: 2119
 MASTITIS: 1274, 1425, 3435
 MASTITIS, BOVINE: 3183
 MASTOID: 4539
 MASTURBATION: 1523
 MATERNAL AGE: 817, 1052, 1982, 3196, 3311
 MATERNAL BEHAVIOR: 303, 498, 869, 1731,
 2452, 3859-3860, 4698
 MATERNAL DEPRIVATION: 498, 644
 MATERNAL-FETAL EXCHANGE: 8, 81, 276,
 577, 814, 883, 1007, 1170, 1229, 1308, 1375,
 1427, 1461, 1524, 1601, 1778, 1835, 1857, 1905,
 2015, 2066, 2092, 2240, 2280, 2283, 2323, 2571,
 2710, 2726, 2790, 2847, 2995, 3098, 3209-3210,
 3267, 3351, 3356, 3920, 4009, 4055, 4198, 4276,
 4330, 4525, 4593, 4704
 MATHEMATICS: 138, 219, 345, 362, 382, 483,
 651, 656, 921, 923, 1068, 1253, 1581, 1641,
 1739, 1981, 2197, 2227, 2332, 2517, 2991, 3008,
 3048, 3083, 3416, 3483, 3566, 3789, 3896, 4060,
 4219, 4480, 4511, 4623
 MAXILLA: 3005
 MAXILLARY SINUS: 2771
 MAXILLOFACIAL DEVELOPMENT: 766
 MEASLES: 2102
 MEAT: 3394
 MECAMYLAMINE: 3555
 MECHANORECEPTORS: 3906
 MECHLORETHAMINE: 830, 2686, 3128, 4049,
 4374
 MECHOLYL BROMIDE: 1209
 MECLOFENAMIC ACID: 46, 688, 4160
 MEDIAN EMINENCE: 169, 849, 962, 1521,
 1838, 2925-2926, 3273, 3299, 3791, 3895, 4038,
 4182
 MEDIASTINAL NEOPLASMS: 655, 2699,
 3241, 3275, 3991, 4237, 4605
 MEDIASTINUM: 3472, 3622
 MEDICAL ASSISTANCE, TITLE 19: 798,
 1285
 MEDICAL HISTORY TAKING: 14, 144, 4500,
 4687
 MEDICAL RECORDS: 1157, 2854, 3786, 4695
 MEDICATION ERRORS: 1907
 MEDROXYPROGESTERONE: 428, 450, 689,
 777, 906, 992, 1255, 1732, 1849, 2231, 3032,
 4036, 4343
 MEDRYSONE: 611
 MEDULLA OBLONGATA: 321, 533, 581, 594,
 1033, 1541, 1814, 2172, 2546, 2850, 2928, 3331,
 3486, 4117, 4222
 MEDULLOBLASTOMA: 2457, 2913, 3069,
 3829
 MEGACOLON, TOXIC: 1577
 MEGAKARYOCYTES: 3664
 MEGESTROL: 839, 992, 1163, 3766

MEGLUMINE DIATRIZOATE: 2763
 MEIGS' SYNDROME: 2429
 MEIOSIS: 172, 188, 191, 209, 468, 664-666,
 1052, 1265, 1407, 1491, 1702, 1977, 2153, 2478,
 2537, 2797, 3011, 3180, 4254, 4460, 4656, 4696
 MELANIN: 1373, 2269, 2937, 3367, 3486, 3913,
 4023, 4657
 MELANOCYTES: 4251
 MELANOMA: 10, 151, 190, 354, 473, 783, 1748,
 2269, 3105, 3111, 3158, 3174, 4018, 4241
 MELANOPHORES: 3352
 MELATONIN: 118, 522, 619-620, 877, 932,
 1290-1291, 2632, 3352, 3553, 3608, 4134
 MELENGESTROL: 1536, 3287
 MELKERSSON-ROSENTHAL SYNDROME:
 2215
 MELORHEOSTOSIS: 3870
 MELPHALAN: 1974, 3258
 MEMBRANE POTENTIALS: 230, 329, 331,
 431, 459, 514, 805, 1547, 1693, 2011, 2046,
 2317, 2447-2448, 2886, 2934, 2955, 3515, 3848,
 4112, 4236, 4242-4243, 4581, 4603
 MEMBRANES: 6, 117, 359, 380, 382, 444, 805,
 844, 1028, 1347, 1377, 1422, 1495, 1816, 1857,
 2018, 2147, 2282, 2334, 2436, 2634, 2652, 2898,
 2900, 2980, 3061, 3284, 3365, 3642, 3685, 4207,
 4457, 4497, 4538
 MEMBRANES, ARTIFICIAL: 362, 1387
 MEMORY: 96, 424, 540, 571, 1552, 3559
 MENADIONE: 1785, 1912
 MENARCHE: 93, 1275, 2224, 3309-3310, 4272,
 4514, 4680
 MENINGIOMA: 10, 2068, 2457, 2770, 3069,
 3294, 3448, 3927, 4036
 MENINGITIS: 196, 2862, 3769
 MENINGITIS, MENINGOCOCCIC: 2913
 MENINGOCOCCAL INFECTIONS: 721
 MENOPAUSE: 40, 129, 634, 861, 892, 949, 1048,
 1386, 1526, 1913, 1938, 2178, 2200, 2211, 2245,
 2300, 2559, 2671-2672, 2748, 2859, 2959, 3218,
 3467, 3550, 3961, 4372, 4378, 4399, 4444, 4611,
 4709
 MENOPAUSE, PREMATURE: 3961
 MENORRHAGIA: 448
 MENOTROPINS: 191, 313, 861, 3716, 4376
 MENSTRUATION: 197, 336, 341, 371, 440, 451,
 580, 748, 775, 781, 800, 812, 991, 1035, 1170,
 1192, 1290-1291, 1304, 1328, 1358, 1386,
 1417-1418, 1427, 1462, 1523, 1653, 1680, 1867,
 1938, 2010, 2106-2107, 2134, 2185, 2210, 2231,
 2245, 2264, 2299, 2412, 2631-2632, 2729, 2870,
 2931, 2986, 3075, 3117, 3188, 3279, 3306, 3407,
 3427, 3431, 3581, 3598, 3765, 3946, 4058, 4241,
 4272, 4285, 4333, 4357, 4451, 4474, 4514, 4516,
 4557, 4583-4584, 4619, 4634, 4684
 MENSTRUATION DISORDERS: 14, 178, 292,
 383, 448, 613, 797, 1035, 1275, 1342, 2194,
 2224, 3172, 3198, 3556, 3613, 3994, 4404, 4435
 MENSTRUATION, FOLLICULAR PHASE:
 341, 1328
 MENSTRUATION, LUTEAL PHASE: 341,
 580, 1328
 MENTAL DISORDERS: 129, 196, 371, 593,
 762, 815, 1002, 1503, 1695, 1886, 2022, 2239,
 2276, 2667, 2852, 3362, 3786
 MENTAL PROCESSES: 1466
 MENTAL RETARDATION: 628, 785, 838, 889,
 1105, 1403-1404, 1658, 1666, 1919, 2020, 2025,
 2415, 2454, 2549, 2657, 2916, 3103, 3196,
 3456-3457, 3550, 3872, 3925, 4271, 4322, 4500,
 4550, 4662, 4685
 MEPERIDINE: 5, 1363
 MERCAPTOETHANOL: 575, 1381, 1745, 1882,
 2400, 3255, 3897, 4156, 4430
 MERCAPTOETHYLAMINES: 103-104
 MERCAPTOPYRINE: 370, 1026, 1110, 1201,
 1248, 1692, 1801, 1953, 2089, 2284, 2290, 4158,
 4241, 4365, 4627, 4660
 MERCURY: 164, 385, 468, 584, 697, 1046, 2147,
 4083, 4593
 MERCURY POISONING: 164, 1278, 3851
 MERCURY RADIOISOTOPES: 584, 697, 3967
 MERSALYL: 468
 MESENCEPHALON: 220, 475, 486, 521, 533,
 581, 1050, 1437, 1503, 1814, 1841, 1886, 2546,
 2667, 2736, 3069, 3486, 3527-3528, 3553, 3654,
 3702, 3791, 3882, 4121, 4654
 MESENTERIC ARTERIES: 23, 896, 1568, 4160
 MESENTERIC VEINS: 1568, 4160
 MESENTERY: 1529

SUBJECT INDEX

MESOCOLON: 654
 MESOCRICETUS: 666
 MESONEPHROMA: 393
 MESONEPHROS: 3387
 MESOTHELIOMA: 2149
 MESTRANOL: 145, 825, 861, 1275, 1478, 1526, 1752, 1757, 2747, 2754, 3027, 3032, 3133, 3464, 3764, 4289, 4474
 METABOLIC CLEARANCE RATE: 851, 1522, 1689, 1720, 1740, 1885, 1913, 2944, 3019, 4094, 4115, 4338
 METABOLIC DISEASES: 148, 907, 1262, 1321, 1598, 2902, 4053, 4147, 4548
 METABOLISM: 449, 1781, 2324-2325, 3466
 METABOLISM, INBORN ERRORS: 881, 889, 946, 1597, 1775, 1919, 2348, 2374, 2380, 2661, 2791, 2794, 2880, 3551, 4705
 METACARPUS: 518, 898, 1226, 2146, 2280, 3701, 4192
 METAL METABOLISM, INBORN ERRORS: 1404
 METALLOPROTEINS: 38, 1028, 1404
 METALS: 1764, 2883
 METAMORPHOSIS, BIOLOGICAL: 281, 361, 419, 832, 912, 1127, 1265, 2182, 2530, 4696
 METANEPHRINE: 1155
 METAPLASIA: 4650
 METARAMINOL: 1840
 METATARSUS: 102, 518, 898
 METESTRUS: 1489, 1928, 2286, 4329
 METHADONE: 2767, 3613, 4669, 4726
 METHALLIBURE: 1672, 3082
 METHAMPHETAMINE: 652, 3993, 4223, 4462
 METHANDROSTENOLONE: 3766, 4262
 METHANE: 387
 METHANESULFONATES: 748, 752, 1681, 2475, 2520
 METHENAMINE: 1896
 METHIMAZOLE: 97, 189, 755, 1933, 1984, 2407, 2414, 2416, 2456, 3575, 4408
 METHIONINE: 570, 2417, 2602, 2644, 2694, 2811, 3098, 3287, 3654, 4201, 4320
 METHIONINE SULFOXIMINE: 3654
 METHODS: 24, 120, 197, 231, 300, 309, 356-357, 384, 394, 397, 421, 491, 510, 517, 532, 536, 564-565, 576, 582, 599, 636, 651, 654, 663, 692, 699, 733, 801, 823, 826, 836, 846, 886-888, 902, 905, 921, 977, 1082, 1100, 1113, 1174, 1185, 1202, 1219, 1268, 1294, 1297, 1321, 1332, 1368, 1427, 1484, 1493-1494, 1537, 1556, 1641, 1646, 1669, 1680, 1713, 1718, 1777, 1807, 1823, 1853, 1857, 1877, 1908, 1926, 1935-1936, 1973, 1985, 2009, 2023, 2028, 2227-2228, 2256, 2275, 2300, 2307, 2318, 2378, 2387, 2420, 2441, 2446, 2494, 2507, 2518, 2543, 2581, 2616, 2620, 2656, 2690, 2694-2695, 2714, 2793, 2871, 2929, 3078, 3083, 3144, 3151, 3216, 3234, 3244, 3250, 3260, 3271, 3360, 3367, 3379, 3408, 3424, 3447, 3465, 3477, 3511, 3529, 3532-3533, 3566, 3576, 3603, 3622, 3643, 3677, 3741, 3789, 3795, 3808, 3883, 3914-3915, 3936, 3940, 3953, 3983, 4002, 4034, 4048, 4079, 4111, 4127, 4144, 4173, 4183, 4187, 4211, 4219, 4221, 4287, 4314, 4345, 4358, 4382, 4462, 4468, 4503, 4521, 4540, 4543, 4605, 4652, 4665, 4708
 METHOTREXATE: 116, 463, 985, 1018, 1248, 1277, 1801, 1920, 2050, 2284, 2455, 2559, 2637, 2655, 3030, 3236, 4241, 4255, 4406
 METHOXAMINE: 318, 2006, 3909
 METHOXYFLURANE: 1539-1540, 3223, 3626, 4464
 METHOXYHYDROXYPHENYL GLYCOL: 2553, 3620
 METHOXYTRYPTAMINE: 4394
 METHYL ETHERS: 462, 540-541, 767, 1113, 1881
 METHYL MERCURY COMPOUNDS: 584, 4593
 METHYL METHANESULFONATE: 2520
 METHYLAMINES: 820
 METHYLATION: 887, 923, 1124, 1392, 2488-2489, 3452, 3572, 3654, 3802, 4180
 METHYLCHOLANTHRENE: 645, 2338, 3680, 3743, 4524
 METHYLDOPA: 1651, 2555, 2647, 3273
 METHYLENE BLUE: 1081
 METHYLGLUCOSIDES: 747, 2529, 3164
 METHYLHYDRAZINE: 4660
 METHYLMANNOSIDES: 1158
 METHYLMETHACRYLATE: 3933

METHYLPHENIDATE: 371, 4705
 METHYLPREDNISOLONE: 67, 161, 420, 466, 650, 848, 936, 1014, 1018, 1081, 1184, 1353, 1480, 1543, 2026, 2169, 2212, 2336, 2541, 2560, 2647, 3190, 3239, 3595, 3766, 3937, 4208-4209, 4244, 4324, 4343, 4438, 4707
 METHYLTESTOSTERONE: 1223, 2287, 3015, 3768
 METHYLTHIOURACIL: 1900, 3072, 3585, 4622
 METHYLTRANSFERASES: 180, 218, 442, 1227, 1362, 2154, 2229, 2488-2489, 3572, 3654, 3674, 4425, 4430, 4617
 METHYLTYROSINES: 169, 487, 596, 1574, 2782, 3553
 METHYLUREA COMPOUNDS: 1387
 METHYSERGIDE: 23, 1288, 2187, 2766, 3609, 4482, 4487
 METIAMIDE: 1217, 3301
 METOCLOPRAMIDE: 3203, 3968
 METRONIDAZOLE: 857, 4299, 4546
 METRORRHAGIA: 448, 949, 1275, 4644
 METYRAPON: 401, 732, 892, 1039, 1257, 1434, 1449, 1581, 2337, 2699, 2762, 3078, 3589, 3680, 4107, 4490, 4511, 4570, 4617
 MICE: 19-21, 103-104, 113, 146-148, 155, 171, 189, 208, 210, 252, 314, 316, 330, 334, 346, 354, 398, 404, 418, 431, 458, 470-471, 488, 540, 553, 562-563, 577, 614-615, 645, 662, 682, 700, 702, 732, 761, 807, 817, 864, 886, 909-910, 920, 1013, 1025, 1052, 1090, 1095, 1100, 1126, 1181, 1193, 1196, 1231, 1264, 1282, 1304, 1316, 1335, 1344, 1363, 1407, 1417, 1424, 1440, 1444, 1453, 1465, 1494, 1547, 1552, 1573-1575, 1590, 1593, 1597, 1614, 1621, 1641, 1701, 1745, 1746, 1760, 1765, 1773, 1792, 1800, 1831, 1849, 1865-1867, 1881, 1912, 1931, 1940, 1979, 2014, 2054-2055, 2112, 2152, 2158-2159, 2163, 2183, 2208-2209, 2254, 2269, 2297, 2314, 2342, 2416, 2437, 2440, 2456, 2513, 2563-2564, 2693, 2700, 2704, 2719, 2797, 2834-2835, 2901, 2926, 3009, 3037, 3044-3045, 3157, 3174, 3193, 3203, 3209, 3219, 3272, 3294, 3331, 3336, 3356-3357, 3508, 3549, 3553, 3574, 3580, 3590, 3654, 3676, 3687, 3692, 3709, 3734, 3792, 3801, 3813, 3824, 3828, 3831, 3847, 3857, 3873, 3880, 3903, 3912, 3923-3924, 3931, 3975, 3982, 4000, 4047, 4123, 4166, 4171, 4181, 4187, 4224, 4236, 4297, 4320, 4325-4326, 4363, 4391, 4400, 4409, 4426-4427, 4480, 4493, 4504, 4506, 4513, 4519, 4537, 4542, 4544, 4566, 4594, 4602, 4655-4656, 4689
 MICE, INBRED A: 407, 645, 1398, 1570
 MICE, INBRED AKR: 166, 2400, 3100, 3321, 3845
 MICE, INBRED BALB C: 218, 645, 662, 742, 1158, 1335, 1392, 1685, 2065, 2100-2101, 2313-2314, 3138, 3321, 3341, 3857, 4026, 4162, 4389, 4454, 4612, 4664
 MICE, INBRED CBA: 218, 645, 768, 999, 1074, 1563, 1662, 1683, 2400, 2693, 3100, 3845
 MICE, INBRED C3H: 234, 240, 563, 768, 1392, 1979, 2158, 3321, 3549, 4326, 4504, 4612, 4628
 MICE, INBRED C57BL: 165, 218, 290, 407, 563, 608, 999, 1074, 1398, 1570, 1662, 1733, 1993, 2065, 2158, 2269, 2287, 3137, 3263-3264, 3913, 3982, 4171, 4239, 4513
 MICE, INBRED DBA: 1305, 1733
 MICE, INBRED ICR: 214, 1820
 MICE, INBRED NZB: 165, 1657
 MICE, INBRED STRAINS: 79, 214, 218, 243, 274, 290, 422, 541, 559, 608, 816, 1264, 1452, 1657, 1683, 1757, 1993, 2065, 2305, 2370, 2570, 2763, 2842, 3009, 3363, 3627, 3659, 3781, 3857, 4148, 4407, 4467, 4628
 MICE, NUDE: 165-166, 662, 4594
 MICE, OBESE: 2031, 2055, 4171
 MICONAZOLE: 2875
 MICROBODIES: 1622, 3279, 3495, 4148
 MICROCEPHALY: 1668, 2042, 3227, 4386
 MICROCHEMISTRY: 24, 421, 651, 1219, 1627, 1972, 2197, 2440, 2446, 2616, 3216, 3572, 3772, 3938
 MICROCIRCULATION: 896, 1722, 2203, 3256, 3974, 4423
 MICROCOCCAL NUCLEASE: 3681
 MICROELECTRODES: 329, 331, 431, 2614, 3299, 4112
 MICROFILMING: 65
 MICROGNATHISM: 2361, 3196
 MICROINJECTIONS: 2318, 3948

MICROMANIPULATION: 88, 1818, 3176
 MICROPORE FILTERS: 909, 1804, 2623
 MICRORADIOGRAPHY: 757, 1101-1102, 1509, 1798, 2501
 MICROSCOPY: 1258, 1509, 3714, 4025
 MICROSCOPY, ELECTRON: 44, 82, 117, 133, 136, 143, 236, 313, 339, 352, 393, 398, 436, 439, 445, 454, 511, 546, 607, 787, 808, 836, 844-845, 849, 952, 967, 1027, 1032, 1041, 1078, 1100, 1220, 1258, 1402, 1473, 1495, 1507, 1538, 1603, 1622, 1702, 1721, 1748, 1833, 1836, 1847, 1931, 2032-2033, 2064, 2110, 2122, 2163, 2248, 2251, 2366, 2393, 2420, 2479, 2517, 2537, 2586, 2623, 2704, 2756, 2773, 2816, 2868, 2929, 2974, 3168-3169, 3180, 3224, 3234, 3256, 3319, 3335, 3385, 3405, 3410, 3422, 3471, 3493, 3573, 3658, 3664, 3670, 3697, 3714-3715, 3761, 3848, 3872-3873, 3959, 4002, 4114, 4116, 4175, 4180, 4199, 4205, 4266, 4465, 4503, 4542, 4646
 MICROSCOPY, ELECTRON, SCANNING: 44, 1355, 1600, 1884, 2366, 2495, 2826, 3176, 3498
 MICROSCOPY, FLUORESCENCE: 169, 649, 1152, 1542, 1557, 1716, 1838, 2054, 2372, 2501, 2884, 2926, 3059-3060, 3197, 3273, 3353, 3634-3635, 4234
 MICROSCOPY, PHASE CONTRAST: 357, 445, 913, 3955, 4199, 4385, 4542
 MICROSCOPY, POLARIZATION: 2272, 3772, 4598
 MICROSCOPY, ULTRAVIOLET: 3353
 MICROSOMES: 85, 117, 194, 205, 605, 636, 933, 1448, 1560, 1584, 1669, 1674, 1715, 1806, 1817, 2094, 2105, 2639, 2704, 2947, 3248, 3279, 3680, 3685, 3885, 3952, 4089, 4207, 4227, 4274, 4358, 4497, 4520, 4524, 4538
 MICROSOMES, LIVER: 243, 429, 933, 1028, 1098, 1347, 1448, 1506, 1581, 1624, 1634, 1684, 1817, 1874, 2198, 2337-2338, 2547, 2642, 3243, 3642, 3743, 4089, 4268, 4511, 4524, 4552, 4570
 MICROSOPHERES: 162, 525, 1985, 3517
 MICROSPORIUM: 2675
 MICROTOMY: 439, 3048
 MICROTUBULES: 281, 313, 445, 1231, 1650, 2537, 4134
 MICROWAVES: 1013, 1767
 MIDDLE AGE: 4, 14, 33, 37, 39-41, 48, 55, 60, 71, 84, 106, 110, 129, 132, 134, 152, 170, 172, 191, 211, 229, 261-263, 265, 269, 280, 288-289, 295, 305-306, 308, 319, 324, 328, 333, 340-341, 378, 401, 406, 412, 415, 428, 430, 434, 447, 453, 463, 466, 473, 479, 484, 495, 497, 502, 505-506, 515, 526, 534, 542, 548, 552, 566, 588, 591, 600, 610, 622, 634-635, 641, 646-647, 653-654, 657, 659-660, 683, 699, 709, 712, 718, 723, 731, 744, 755-758, 765, 773, 780-781, 787-788, 791, 800, 810, 835, 837, 859, 861-862, 868, 874, 892, 907, 925, 937-938, 949, 960-961, 965, 971, 989, 995-998, 1011, 1015, 1034, 1051, 1073, 1084, 1093-1094, 1101, 1110, 1112, 1117-1118, 1139-1140, 1145-1146, 1157, 1164, 1189, 1192, 1215, 1232, 1234, 1239, 1296-1299, 1312, 1318, 1336, 1343, 1345, 1351, 1354, 1358, 1367, 1370, 1386, 1410-1412, 1414, 1423, 1425, 1433, 1437, 1443, 1458, 1461, 1466, 1477, 1480, 1499, 1502, 1504, 1507, 1509-1510, 1518, 1522, 1526, 1541, 1543, 1545, 1576-1577, 1579, 1586, 1611, 1628, 1640, 1656, 1660, 1678-1679, 1682, 1689-1690, 1692, 1696-1698, 1723, 1737, 1739, 1746, 1753, 1756, 1760, 1766, 1773, 1779, 1785, 1790-1791, 1796, 1802, 1843, 1868, 1876, 1885, 1892, 1907, 1913, 1915, 1921, 1941, 1943, 1948-1950, 1954, 1957-1958, 1963, 1968, 1978, 2001-2004, 2020, 2032, 2041, 2063, 2068, 2075, 2080, 2090-2091, 2130, 2133, 2140, 2144, 2146, 2149, 2160-2161, 2165, 2171, 2177-2178, 2180-2181, 2187, 2192-2193, 2210, 2212, 2215, 2218, 2222-2223, 2235, 2244-2245, 2248-2249, 2270, 2272-2273, 2277, 2283-2284, 2291, 2300, 2302-2303, 2312, 2319, 2330, 2336, 2341, 2371, 2379, 2404-2405, 2415, 2418, 2434, 2440, 2457, 2462, 2471, 2475, 2483, 2494, 2496, 2506, 2508, 2521, 2528, 2544, 2555, 2559-2560, 2573, 2586, 2588, 2595, 2598, 2631, 2649, 2656, 2660, 2665, 2669, 2672, 2678, 2697, 2699, 2707, 2713, 2731, 2738, 2749, 2752, 2760, 2781, 2814-2815, 2828, 2843, 2852, 2855, 2857, 2867, 2891, 2908, 2927, 2941, 2944, 2952, 2960, 2966, 2978, 2982, 2984-2985, 2989, 3012-3013, 3028, 3049, 3051-3052, 3055, 3060, 3063, 3073, 3085, 3088, 3114, 3116, 3120, 3125, 3135, 3163, 3236, 3239, 3249, 3253, 3256, 3261,

SUBJECT INDEX

- 3265, 3270, 3275, 3292, 3303, 3305, 3315, 3322, 3348-3349, 3362, 3383, 3389, 3394, 3418, 3437-3438, 3440-3441, 3446, 3448-3449, 3451, 3467, 3469, 3499, 3514, 3520, 3524, 3531, 3538, 3550, 3575, 3579, 3585-3586, 3612, 3622, 3624, 3626, 3640, 3649-3650, 3656, 3661, 3664, 3669, 3707, 3715, 3721, 3725, 3739, 3751-3753, 3758, 3763, 3774, 3782, 3785, 3799, 3814, 3817, 3824, 3827, 3829, 3833, 3837, 3846, 3863-3864, 3870, 3874-3875, 3886, 3916, 3945, 3961, 3969, 3988, 3991-3992, 4001, 4004, 4019, 4031, 4041, 4049, 4052, 4058, 4077, 4096, 4106-4107, 4127, 4136, 4139, 4141, 4150, 4164, 4173, 4176, 4183, 4189, 4192, 4217, 4225, 4237, 4240, 4249, 4255, 4257, 4262, 4278, 4290, 4307-4308, 4311, 4313, 4324, 4342, 4350, 4356, 4362, 4365, 4372, 4377-4378, 4384, 4399, 4408, 4424, 4444, 4459, 4472, 4476, 4478, 4485, 4489-4490, 4492, 4495, 4517, 4530, 4534, 4565, 4567, 4573, 4577, 4583-4586, 4604-4605, 4607, 4611, 4620, 4625, 4635, 4642, 4650, 4660, 4686, 4709, 4713, 4721, 4724
- MIGRAINE: 850, 995-996, 2294, 3142, 3542, 3856
- MIGRATION INHIBITORY FACTOR: 904, 3667
- MILK: 38, 207, 1306, 1614, 1714, 1740, 2009, 2061, 2388, 2459, 2571, 2674, 2790, 2833, 3046, 3183, 3968, 4466, 4525, 4672
- MILK, HUMAN: 1271, 1677, 1837, 3610, 3984, 4285, 4525, 4629
- MILK PROTEINS: 38, 2217, 2388, 3040, 3709, 4285
- MINERALOCORTICOIDS: 27, 2465, 3262, 3970, 4028, 4189
- MINERALS: 439, 449, 520, 729, 1129, 2670, 2882, 2728, 2752, 2860, 2902, 2985, 3286, 3880, 4250, 4469
- MINIATURIZATION: 2220
- MINIMAL BRAIN DYSFUNCTION: 481
- MINING: 584
- MINK: 2979
- MINOXIDIL: 801, 2647, 3063, 3221-3222
- MITE INFESTATIONS: 3334
- MITES: 3937
- MITHRAMYCIN: 37, 1150, 1870, 2418
- MITOCHONDRIA: 135, 180, 194, 205, 234, 254, 368, 391, 605, 809, 967, 972, 1028, 1033, 1100, 1231, 1495, 1584, 1645, 1669, 1715, 1748, 1836, 1983, 2033, 2046, 2094, 2176, 2256, 2344, 2398, 2487, 2925, 3056-3057, 3168, 3248, 3279, 3373, 3410, 3447, 3495, 3497, 3534, 3553, 3768, 3798, 3851, 4124, 4143, 4205, 4294, 4301, 4494, 4524, 4518
- MITOCHONDRIA, LIVER: 133, 375, 637, 730, 1098, 1625, 1784, 1980, 2536, 3402, 3505, 3649, 3766-3768, 3780, 3798, 4097, 4148, 4207, 4301, 4426, 4553
- MITOCHONDRIA, MUSCLE: 85, 1784-1785, 2018, 2282, 2947, 3966, 4532, 4553
- MITOCHONDRIAL SWELLING: 1848, 4097, 4426
- MITOGENS: 999, 1335, 1685, 2527, 3158, 4467
- MITOGUAZONE: 3040
- MITOMYCIN: 407, 999, 1158, 3289, 3857, 4119, 4232, 4431
- MITOSIS: 188, 191, 209, 422, 477, 664-666, 725, 841, 856, 1052, 1115, 1277, 1407, 1491, 1533, 1630-1631, 1701, 1804, 1851, 2251, 2524, 2537, 2787, 2884, 3178, 3189, 3199, 3474, 3682, 3723, 4086, 4114, 4198, 4253, 4560, 4656
- MITOTANE: 268
- MITOTIC INDEX: 3177, 3662
- MITRAL VALVE: 1014
- MITRAL VALVE INSUFFICIENCY: 2549
- MITRAL VALVE STENOSIS: 1464, 1840
- MIXED FUNCTION OXIDASES: 1624
- MODELS, BIOLOGICAL: 83, 221, 228, 329, 362, 382, 457, 483, 656, 741, 1054, 1059, 1061, 1091, 1248, 1360, 1380, 1422, 1498, 1515, 1530, 1568-1569, 1571, 1597, 1624, 1637, 1733, 1869, 1943, 1981, 1997, 2047, 2156, 2163, 2203, 2329, 2366, 2415, 2627, 2923, 2955, 2969, 3011, 3086, 3138, 3269, 3365, 3373, 3402, 3467, 3502, 3535, 3559, 3728, 3784, 4007, 4029, 4071, 4243, 4277, 4391, 4446, 4471
- MODELS, CHEMICAL: 6, 609, 923, 926, 1364, 2304, 2444, 3932, 4014
- MODELS, NEUROLOGIC: 220, 314
- MODELS, STRUCTURAL: 236, 1816, 3715
- MODELS, THEORETICAL: 394, 1739, 2055, 2311, 4187
- MOLAR: 253
- MOLASSES: 1394, 2676, 3287
- MOLECULAR BIOLOGY: 1836, 3380
- MOLECULAR CONFORMATION: 362, 716, 807, 1197, 1515, 1550, 1795, 1981, 2304, 2513, 2640, 2785, 3296, 3537, 3773, 3848, 4105, 4275, 4453, 4611
- MOLECULAR MODELS: 461, 2465, 3041, 3452, 4453
- MOLECULAR WEIGHT: 251, 260, 287, 344, 351, 358, 381, 396, 402, 480, 494, 587, 606, 678, 693, 769, 821, 855, 908, 921, 924-925, 1016, 1294, 1314, 1377, 1488, 1600, 1670, 1745, 1767-1768, 1802, 1816, 2105, 2173, 2199, 2282, 2296, 2444, 2490, 2607, 2620, 2625, 2634, 2662, 2701, 2712, 2849, 3095, 3511, 3516, 3590, 3644, 3848, 3897, 3980, 4091, 4094, 4434, 4442, 4449, 4611
- MOLES: 3225
- MOLLUSCA: 649, 1591
- MOLONEY VIRUS: 83, 2693, 3321, 3813
- MOLYBDENUM: 231, 750-751, 3286
- MONACTIN: 1871
- MONENSIN: 801
- MONGOLISM: 490
- MONGOLOID RACE: 4, 699, 2457
- MONILIALES: 3745, 3910
- MONILIASIS: 59, 1917, 3287
- MONILIASIS, CUTANEOUS: 3444
- MONILIASIS, ORAL: 547, 3444
- MONILIASIS, VULVOVAGINAL: 2875, 4546
- MONITORING SYSTEMS: 1024, 2380
- MONKEYS: 276, 684, 1231, 1622, 1638, 1716, 1977, 2203, 2239, 2475, 2558, 2759, 2810, 2816, 2928, 2993, 3601, 3796, 3932, 4017, 4122, 4157, 4199, 4496, 4708
- MONOAMINE OXIDASE: 255, 391, 816, 847, 1182, 1557, 2321, 2745, 2900, 3033, 3068, 3614, 3780, 4298, 4589
- MONOAMINE OXIDASE INHIBITORS: 61, 487, 1363, 2766, 3534, 4189, 4279
- MONOCYTES: 2414, 3137, 3608, 3664, 4028
- MONOTREMATA: 630, 1911
- MORALS: 625
- MORPHINE: 177, 770, 930, 1219, 1482, 1621, 1820, 3223, 3974, 4181, 4236, 4353
- MORPHINE ADDICTION: 770, 1820, 4261
- MORPHOGENESIS: 1144, 2578, 2816, 3855, 4190
- MOSAICISM: 188, 454, 563, 583, 939, 1293, 1434, 1969, 2373, 4391, 4431, 4450
- MOTHER-CHILD RELATIONS: 111, 2427, 2844, 3124, 4698
- MOTIVATION: 2072, 2141, 3786
- MOTOR ACTIVITY: 403, 424, 487-488, 745, 770, 1159, 1280, 1369, 1466, 1787, 2808, 3559, 3884, 4222, 4375, 4407, 4506
- MOTOR CORTEX: 137, 2119, 3291, 3615
- MOTOR ENDPLATE: 2614
- MOTOR NEURONS: 215, 2119, 2311
- MOUSE LEUKEMIA VIRUSES: 1123, 1316
- MOUTH ABNORMALITIES: 4247
- MOUTH DISEASES: 1091
- MOUTH, EDENTULOUS: 3107
- MOUTH MUCOSA: 938, 2839, 3974, 4420
- MOUTH NEOPLASMS: 1930, 2051, 3444, 3785, 3810
- MOVEMENT: 3420, 3732, 4522
- MOVEMENT DISORDERS: 196, 691, 1654, 2187, 2715, 3362
- MSH: 323, 339, 379, 571, 792, 1458, 1474, 1650, 2464, 2509, 2557, 3001, 3108, 3174, 3553, 4159, 4178, 4193
- MSH RELEASE INHIBITING HORMONE: 1650
- MSH RELEASING HORMONE: 1650
- MUCIN: 2288, 3260, 4598
- MUCOCELE: 4590
- MUCOPOLYSACCHARIDES: 354, 785, 880-881, 2139, 2283, 2756, 2791, 3256, 3368, 3475, 3567, 3569, 3666, 3925, 4429
- MUCOPOLYSACCHARIDOSIS: 785, 808, 881, 1016, 1162, 2549, 3456-3457, 3475, 3666, 3872, 3925
- MUCOPOLYSACCHARIDOSIS 3: 1016, 3872
- MUCOPOLYSACCHARIDOSIS 5: 1162
- MUCOPROTEINS: 902
- MUCOUS MEMBRANE: 1922, 2040
- MULLERIAN DUCTS: 31, 1962, 2578, 3387
- MULTIENZYME COMPLEXES: 1624
- MULTIPHASIC SCREENING: 1321
- MULTIPLE MYELOMA: 1974, 2418, 3208, 3341, 3561, 4346, 4664
- MULTIPLE SCLEROSIS: 2352
- MUMPS VIRUS: 2933, 3667
- MURAMIDASE: 2938, 3664
- MUSCLE CONTRACTION: 66, 85, 174, 245, 294, 402, 462, 631, 753, 805, 812, 839, 884, 896, 940, 1071, 1288, 1295, 1325-1326, 1349, 1467, 1568-1569, 1593, 1676, 1800, 2011, 2021, 2195, 2354, 2479, 2641, 2681, 2810, 2819-2820, 2840, 2962, 4062, 4317, 4370, 4392, 4423, 4532, 4555, 4581
- MUSCLE PROTEINS: 402, 1097, 1597, 2018, 2296, 2334, 2374, 2625, 3430, 3673, 3675, 3883, 4449, 4502
- MUSCLE RELAXANTS, CENTRAL: 884, 4552, 4717
- MUSCLE RIGIDITY: 1350, 2475
- MUSCLE, SMOOTH: 23, 66, 85, 174, 294, 431, 658, 812, 839, 884, 896, 940, 1006, 1218, 1295, 1325-1326, 1349, 1399, 1568-1569, 1593, 1676, 1800, 2011, 2195, 2354, 2479, 2641, 2810, 2962, 3059, 3363, 3521, 3604, 4062, 4295, 4303, 4423, 4532, 4544, 4555, 4581, 4670
- MUSCLE TONUS: 658, 1325-1326, 1649, 2715
- MUSCLES: 164, 204, 229, 264, 402, 476, 511, 584-585, 698, 736, 747, 808, 820, 987, 1111, 1128, 1176, 1211, 1246, 1254, 1299, 1345-1346, 1365, 1415, 1597, 1599, 1665, 1727, 1780, 1785, 1789, 1892, 1905, 2182, 2196, 2233, 2237, 2274, 2308, 2424, 2436, 2599, 2614, 2625, 2794, 2849, 2930, 2990, 3104-3105, 3351, 3369, 3401, 3496, 3529, 3551, 3647, 3668, 3673, 3723, 3818, 3898, 3958, 4053, 4102, 4170, 4177, 4280, 4286, 4394, 4541, 4701
- MUSCULAR ATROPHY: 232, 1785, 3668
- MUSCULAR DISEASES: 722, 813, 1299, 2669, 4730
- MUSCULAR DYSTROPHY: 766, 4391, 4575
- MUSCULAR DYSTROPHY, ANIMAL: 3573
- MUSIC THERAPY: 1508
- MUSSELS: 174, 2681, 3470
- MUTAGENS: 1207, 1277, 2262, 2520, 3090, 4431
- MUTATION: 6-7, 188, 235, 458, 460, 627, 817, 1207, 1245, 1405, 1422, 1504, 1721, 2110, 2262, 2415, 2478, 2520, 2526, 2827, 2890, 3189, 3238, 3251, 3284, 3454, 3493, 3777, 3910, 3962, 4061, 4171, 4204, 4229, 4264, 4391, 4400, 4505-4506, 4548, 4572, 4597
- MUTISM: 91, 4154
- MYASTHENIA GRAVIS: 1501, 2892, 3087, 3140
- MYCOBACTERIUM: 2556, 3910
- MYCOBACTERIUM INFECTIONS: 151
- MYCOBACTERIUM LEPRAE: 2416, 2456
- MYCOBACTERIUM TUBERCULOSIS: 1520, 3520, 3954
- MYCOPLASMA: 3852, 4646
- MYCOPLASMA INFECTIONS: 3267, 3334, 3852
- MYCOSES: 2822, 4546
- MYCOSIS FUNGOIDES: 2394
- MYCOTOXINS: 739, 2599
- MYELIN SHEATH: 1402, 3553
- MYEOGRAPHY: 1876, 2230, 3102
- MYELOID METAPLASIA: 1420, 1502
- MYELOPEROXIDASE: 742
- MYENTERIC PLEXUS: 3614
- MYOCARDIAL CONTRACTION: 944, 1205-1206, 1842, 2350, 2359, 2966, 3430, 3751, 3971, 4050-4051, 4242, 4312
- MYOCARDIAL DEPRESSANT FACTOR: 3042
- MYOCARDIAL DEPRESSANTS: 22, 2516
- MYOCARDIAL INFARCT: 145, 624, 835, 1464, 1689, 1983, 2303, 2460, 2493, 2671-2672, 2829, 3118, 3800, 3971, 4225, 4387, 4576, 4595, 4687
- MYOCARDIUM: 45-46, 69, 97, 105, 112, 164, 201, 229, 402, 478, 511, 533, 727, 796, 820, 914, 944, 1067, 1081, 1205-1206, 1295, 1345, 1362, 1597, 1599, 1784, 1842, 1872, 1917, 1983, 2018, 2046, 2048, 2062, 2076, 2097, 2105, 2128, 2173, 2267, 2279, 2282, 2298, 2305, 2308-2309, 2360, 2409, 2444, 2460, 2553, 2658, 2735, 2745, 2934, 2947, 2949-2950, 3017, 3089, 3118, 3168, 3326, 3369, 3400, 3479, 3506, 3516, 3529, 3577, 3691,

SUBJECT INDEX

3722, 3818, 3884, 3964, 3966, 3971, 4092, 4117, 4156, 4177, 4218, 4243, 4360, 4432, 4449, 4487, 4520, 4720
 MYOCLONUS: 2187, 3362, 4261
 MYOFIBRILS: 232, 402, 1206, 1785
 MYOGRAPHY: 2561
 MYOMA: 2891
 MYOMETRIUM: 431, 633, 1097, 1399, 1938, 3029, 3188, 3351, 3517, 4062
 MYOPIA: 47, 524
 MYOSIN: 2097
 MYOSITIS: 1903
 MYOTONIA ATROPHICA: 1279, 3579, 4085
 MYXEDEMA: 62, 722, 1421, 1463, 1618, 1783, 3038, 3249, 3585, 4397
 MYXOMYCETES: 710, 1220, 2652, 2734, 3493

N

NAD: 117, 330, 675, 1459, 1542, 1817, 2085, 2233, 3088, 3278, 3284, 3507, 3770, 4301
 NAD NUCLEOSIDASE: 3792
 NADH, NADPH OXIDOREDUCTASES: 117, 730, 1314, 1506, 1624, 3284, 3671
 NADH TETRAZOLIUM REDUCTASE: 1785
 NADP: 117, 330, 675, 1506, 1542, 1817, 2085, 2233, 2487, 3088, 3278, 4301
 NADPH CYTOCHROME C REDUCTASE: 1624, 3952
 NAFOXIDINE: 3032, 4671
 NAILS: 229, 2200
 NAILS, MALFORMED: 2025, 4247
 NALIDIXIC ACID: 2123
 NALORPHINE: 3085
 NALOXONE: 770, 1621, 4261
 NANDROLONE: 825, 1023, 1332, 2587, 3006, 4661
 NAPHTHALENEACETIC ACIDS: 170
 NAPHTHALENES: 689, 1159, 2977, 3910
 NAPHTHALENESULFONATES: 1632, 2370
 NAPHTHOLS: 776, 3068
 2-NAPHTHYLAMINE: 2977
 NAPROXEN: 170, 3443
 NARCOLEPSY: 4705
 NARCOTIC ANTAGONISTS: 8, 3434
 NARCOTICS: 8, 2511, 4236
 NASAL MUCOSA: 3371
 NASAL SEPTUM: 520
 NASOPHARYNGEAL NEOPLASMS: 3305, 4450
 NASOPHARYNX: 2426
 NATIONAL HEALTH PROGRAMS: 1285
 NATRIURESIS: 590, 868, 1488, 1667, 2162, 2399, 2994, 3055, 3293, 3343, 3784, 3970, 4011
 NAUSEA: 364, 430, 492, 810, 1793, 2511, 2673, 3085, 4514
 NECATOR: 402
 NECK: 3196, 3487, 3551, 3622
 NECK NEOPLASMS: 2673, 4313, 4725
 NECROSIS: 555, 706, 780, 875, 1511, 1952, 1983, 2001, 2089, 2599, 3468
 NEEDLES: 2220, 3176
 NEGROES: 798, 2133, 2390, 2683, 3524
 NEGROID RACE: 500, 1793, 1968, 1997, 2082, 2165, 2457, 3218, 3256, 3399
 NEISSERIA: 4027
 NEISSERIA MENINGITIDIS: 721, 1520
 NEOMYCIN: 982, 1211, 2538, 2713, 3281, 4343, 4653, 4714
 NEON: 1770
 NEOPLASM METASTASIS: 72, 132, 226, 295, 395, 428, 433, 473, 505, 591, 634, 653, 659, 723, 740, 783, 810, 831, 1107, 1215, 1223, 1296, 1312-1313, 1440, 1461, 1546, 1843, 1920, 1950, 2003, 2050, 2088, 2091, 2140, 2160, 2171, 2178, 2180-2181, 2189, 2236, 2264, 2306, 2343, 2418, 2440, 2554, 2559, 2629, 2637, 2687, 2910, 2952, 2971, 2988, 3030, 3070, 3111, 3128, 3140, 3258, 3302, 3428, 3444, 3472, 3735, 3758, 3782, 3829, 3991, 4093, 4142, 4241, 4348, 4378, 4406, 4424, 4433, 4513, 4590, 4655, 4721, 4725
 NEOPLASM PROTEINS: 1274, 1772, 2397, 3808, 4013
 NEOPLASM RECURRENCE, LOCAL: 41, 544, 1297, 2243, 2891, 3191, 3258, 3342, 4725
 NEOPLASM REGRESSION, SPONTANEOUS: 1461, 1843, 2988, 4424
 NEOPLASM TRANSPLANTATION: 100, 347, 645, 1123, 1440, 2065, 2269, 2297, 2366, 3105,

3321, 3982, 4393, 4513, 4515, 4646, 4689
 NEOPLASMS: 151, 165, 190, 837, 858, 985, 1013, 1041, 1233, 1502, 1748, 2091, 2148, 2170, 2465, 2583-2584, 2598, 2740, 2911, 2942, 3158, 3175, 3193, 3294, 3315, 3401, 3582, 3619, 3753, 4183, 4237, 4267, 4443, 4517
 NEOPLASMS, EMBRYONAL AND MIXED: 200, 428
 NEOPLASMS, EXPERIMENTAL: 100, 258, 293, 347, 458, 964, 1058, 1657, 1748, 1979, 2158, 2269, 2313, 2824, 3174, 3321, 3535, 3557, 3580, 3748, 3813, 4018, 4026, 4198, 4236, 4326, 4394, 4513, 4515, 4646, 4689
 NEOPLASMS, MULTIPLE PRIMARY: 262, 1656, 1930, 2629, 2754, 3472, 4087, 4245, 4418, 4721
 NEOPLASMS, RADIATION-INDUCED: 127, 293, 1576, 1700, 2700, 3698, 4697
 NEOPLASMS, VASCULAR TISSUE: 3448
 NEOPLASTIC ENDOCRINE-LIKE SYNDROMES: 653, 1847, 2649, 2699, 3241, 3657, 4290, 4310
 NEOSTIGMINE: 1006, 3128
 NEPHRECTOMY: 23, 337, 601, 758, 935-936, 1064, 1178, 1312, 1607, 1619, 1667, 1843, 1847, 1992, 2331, 2358, 2521, 2541, 3052, 3221, 3256, 3959, 4052, 4083, 4438, 4477-4478
 NEPHRITIS: 1657, 3293, 3652
 NEPHROBLASTOMA: 925, 2582, 2911
 NEPHROCALCINOSIS: 1490, 1645
 NEPHRONS: 1707, 4196
 NEPHROSCLEROSIS: 1011, 4202
 NEPHROSIS, LIPOID: 2777
 NEPHROTIC SYNDROME: 378, 1450, 2605, 3229, 3666, 4139, 4443
 NERVE BLOCK: 1211, 3822
 NERVE COMPRESSION SYNDROMES: 4001
 NERVE CRUSH: 2614
 NERVE DEGENERATION: 1263, 3670
 NERVE ENDINGS: 281, 391, 506, 2759, 2802, 3553
 NERVE GROWTH FACTOR: 1931, 2934, 3004, 3498, 3865, 4480, 4566
 NERVE REGENERATION: 2614, 3205
 NERVE TISSUE: 808, 1573, 3059
 NERVE TISSUE PROTEIN S 100: 1057
 NERVE TISSUE PROTEINS: 486, 619, 911, 1156, 2519, 2563, 3504, 4134, 4486, 4589
 NERVOUS SYSTEM: 2967, 3401, 4117
 NERVOUS SYSTEM DISEASES: 1043, 4053, 4399, 4715, 4730
 NESTING BEHAVIOR: 303, 1922, 4005
 NEURAL CONDUCTION: 557, 1663, 3299
 NEURAL INHIBITION: 514, 594, 1054, 1151, 1492, 1651, 1663, 2239, 4603
 NEURAL INTERCONNECTIONS: 95, 137, 220, 594, 1142, 1208, 1272, 1492, 1651, 1814, 2239, 2384, 2546, 2715, 2759, 2943, 3328, 3638, 3641, 4062, 4213, 4603, 4654
 NEURAL TRANSMISSION: 1033, 1501, 1572, 1591, 2276, 2311, 2317, 2324-2325, 2802, 2928, 2945, 3574, 4023, 4121, 4273, 4603
 NEURAMINIC ACIDS: 1389
 NEURAMINIDASE: 651, 924, 1567, 2756, 3164, 3313, 3511, 4309
 NEURASTHENIA: 3116
 NEURILEMMOMA: 2457, 2862, 3829
 NEURITIS: 2770, 3084
 NEUROBLASTOMA: 433, 1621, 1944, 2083, 3472, 3580, 3604, 4087, 4236, 4486, 4574, 4605
 NEUROCHEMISTRY: 3358
 NEUROCIRCULATORY ASTHENIA: 2075
 NEURODERMATITIS: 4714
 NEUROFIBRILS: 34, 967, 2816
 NEUROFIBROMATOSIS: 2629, 2770, 3109, 3865, 4251, 4391
 NEUROGLIA: 1057, 1621, 3350
 NEUROHUMORS: 1033, 1764, 2276, 2948, 3936, 4273, 4603
 NEUROLEPTOANALGESIA: 2800, 3612, 4076
 NEUROLOGIC MANIFESTATIONS: 1043, 1461, 1876, 2238, 2341, 2859, 3448, 4260, 4290
 NEUROMUSCULAR BLOCKING AGENTS: 1390, 1446, 1501
 NEUROMUSCULAR DEPOLARIZING AGENTS: 1390, 4102
 NEUROMUSCULAR JUNCTION: 1390, 1501, 3085
 NEURONS: 61, 250, 331, 342, 348, 391, 469, 475, 487, 561, 799, 809, 962, 1369, 1571, 1592,

1621, 1716, 1764, 1931, 2229, 2802, 2816, 2841, 2861, 2895, 2925-2926, 3059, 3071, 3273, 3350, 3441, 3497-3498, 3574, 3670, 3723, 3754, 4121, 4223, 4375, 4589, 4603
 NEURONS, AFFERENT: 34, 2119, 2724, 2759, 2802, 2943, 4117
 NEURONS, Efferent: 2759, 2802, 2981, 4117
 NEUROPHYSINS: 192, 561, 692-693, 962, 2813, 3477, 4382, 4465
 NEUROPHYSIOLOGY: 1493, 2311
 NEURORADIOGRAPHY: 1809, 3084
 NEUROSECRETION: 2694-2695, 3077, 3895, 4485
 NEUROSECRETORY SYSTEMS: 979, 1038, 1850, 2202, 2411, 2591, 2694-2695, 2849, 3793, 3982, 4143, 4201
 NEUROSES: 178
 NEUROSES, ANXIETY: 4576
 NEUROSPORA: 1459, 3729, 4229
 NEUROSPORA CRASSA: 3729, 4229
 NEUROSURGERY: 1042, 1999, 3481
 NEUTRALIZATION TESTS: 142, 1451, 3557
 NEUTRON ACTIVATION ANALYSIS: 584, 1675, 4437
 NEUTRONS: 103, 1724
 NEUTROPHILS: 139, 742, 920, 976, 1353, 1808, 2152, 2414, 3495, 3664, 4043
 NEWSPAPERS: 2073
 NEWTS: 832, 3855
 NIALAMIDE: 3273, 4375
 NICOTINAMIDE: 1912
 NICOTINE: 2195, 3477, 3544, 3921, 4488
 NICOTINIC ACIDS: 302, 593, 624, 2682
 NICITATING MEMBRANE: 1390
 NIDATION: 451, 1264, 1453, 1662, 1757, 1835, 1849, 2366, 2570, 2666, 2687-2688, 3032, 4114, 4320
 NIDATION, DELAYED: 1662
 NIEMANN-PICK DISEASE: 1516
 NIFEDIPINE: 1295
 NIGERICIN: 230
 NISSL BODIES: 1931, 2898, 4117
 NITRATES: 224, 684, 2420
 NITRILES: 135, 1881, 2282, 2497-2502, 2953, 3469, 3505, 3853, 4511
 NITRITES: 224, 4185
 NITRO COMPOUNDS: 344, 2089
 NITROBENZENES: 1632, 4183
 NITROFURANS: 4120, 4448
 NITROGEN: 84, 139, 238, 387, 674, 852, 1770, 2242, 2340, 2387, 2459, 2498-2499, 2545, 2730, 2883, 2930, 3286, 3803, 3906, 4082, 4146, 4209, 4437, 4494
 NITROGEN MUSTARD COMPOUNDS: 819, 964, 2184, 2655, 2823, 2988, 3682, 4349, 4384
 NITROIMIDAZOLES: 4428
 NITROPHENOLS: 2744, 3385
 4-NITROQUINOLINE-1-OXIDE: 4086
 NITROSO COMPOUNDS: 1207
 NITROUS OXIDE: 177, 2004, 2124, 2760, 3223, 4464
 NOCARDIA: 3910
 NODOSE GANGLION: 4117
 NOISE: 1230, 2737
 NOMENCLATURE: 21, 1115, 1284, 1638, 1920, 2111, 2258, 3479, 3660, 3939, 4433
 NONVERBAL COMMUNICATION: 625
 NORADROSTANES: 1383, 3015
 NOREPINEPHRINE: 22, 45, 113, 153, 169, 201, 216, 218, 285, 288, 294, 316, 318, 321, 342, 363, 391, 408, 410, 413, 417, 457, 469, 475, 481, 487-488, 506, 522, 535, 578, 596, 607, 619, 699, 714, 743, 812, 847, 849, 884, 932, 940-941, 1005-1006, 1089, 1139, 1151-1152, 1175, 1218, 1259, 1263, 1288, 1320, 1322, 1338, 1345, 1362, 1364, 1369, 1380, 1467, 1497, 1540, 1564, 1568-1569, 1588, 1596, 1642, 1649, 1687, 1716, 1777, 1800, 1808, 1838, 1845, 1886, 2012, 2136, 2195, 2263, 2316, 2354, 2360, 2372, 2387, 2428, 2431, 2444, 2458, 2461, 2546, 2553, 2561, 2594, 2612, 2639-2641, 2648, 2665, 2667, 2689, 2705, 2719, 2736, 2841, 2906, 2921, 2934, 2940, 2999, 3033, 3060, 3168, 3188, 3203, 3205, 3235, 3262, 3290, 3331, 3350, 3367, 3412, 3422, 3527-3528, 3548, 3553, 3572, 3577, 3580, 3609, 3615, 3620, 3627, 3638, 3676, 3702, 3710, 3712, 3720, 3781, 3791, 3825, 3882, 3884, 3904, 3909, 3936, 4037, 4083, 4105, 4121, 4222-4223, 4236, 4273, 4277, 4317, 4331, 4353, 4375, 4533, 4554, 4589, 4603,

SUBJECT INDEX

4617, 4689
 NORETHANDROLONE: 1255
 NORETHINDRONE: 317, 689, 992, 1478, 2754, 3027, 3133, 3254, 4289, 4474, 4690
 NORTETHYNODREL: 1452
 NORFENFLURAMINE: 652
 NORGESTREL: 30, 154, 2986, 3032, 3243, 3254, 3547, 4404, 4474, 4716
 NORLEUCINE: 4062
 NORMETANEPHRINE: 1155, 4222
 NORMETHANDROLONE: 448, 1095
 NORPREGNADIENES: 892, 1342
 NORPREGNATRIENES: 4045
 NORPREGNENES: 4560
 NORSTEROIDS: 2581, 2793
 NORSYNEPHRINE: 3572, 4277
 NORTRIPTYLINE: 1195
 NOSE: 1451, 2558, 3937
 NOSE DEFORMITIES: 2025, 3346, 4247
 NOVIOCIIN: 1385
 NUCLEAR MAGNETIC RESONANCE: 15, 442, 716, 826, 1025, 1197, 1332, 2662, 3141, 3465, 3915
 NUCLEAR PHYSICS: 4469
 NUCLEIC ACID CONFORMATION: 138, 1873, 3802, 4453
 NUCLEIC ACID DENATURATION: 138, 3421, 4453, 4578
 NUCLEIC ACID HYBRIDIZATION: 239, 821, 1115, 1171, 1533-1534, 2804, 3496, 3807, 4578
 NUCLEIC ACID PRECURSORS: 3807
 NUCLEIC ACID RENATURATION: 1115, 4578
 NUCLEIC ACIDS: 2740
 NUCLEOPROTEINS: 1115, 1530, 1768, 2047, 2163, 2251, 3543, 3681, 3839
 NUCLEOSIDES: 1459, 3792
 NUCLEOSIDE DIPHOSPHATE SUGARS: 578, 2666, 2824
 NUCLEOTIDASES: 358, 1895, 2653, 3493, 3513
 NUCLEOTIDES: 1220, 1382, 2677, 2887, 3577, 3802
 NUCLEOTIDES, CYCLIC: 404, 419, 2260, 3061, 4467
 NUCLEOTIDYLTRANSFERASES: 2764
 NURSE-PATIENT RELATIONS: 4694
 NURSING CARE: 694
 NUTMEG: 226
 NUTRITION: 50, 130, 593, 1204, 1524, 1781, 2682, 2788, 3061, 3883, 3906
 NUTRITION DISORDERS: 276, 577, 593, 927, 1229, 1277, 1306, 1442, 1524, 1905, 2280, 2722, 2790, 3433, 4033, 4248, 4665
 NUTRITION SURVEYS: 1204, 3849
 NUTRITIONAL REQUIREMENTS: 50, 130, 570, 593, 1204, 1283, 1677, 2417, 2459, 2682, 2724, 2833, 2878, 3286, 3984, 4185, 4525, 4672, 4688
 NYLON: 3664
 NYSTATIN: 59

O

OATS: 1738
 OBESITY: 274, 292, 428, 589, 762, 927, 1063, 1106, 1140, 1167, 1216, 1237, 1246, 1578, 1659, 1975, 2031, 2213, 2312, 2529, 2671-2672, 2722, 2747, 2765, 3001, 3050, 3290, 3466-3467, 3917, 3941, 3970, 4096, 4147, 4168, 4171, 4292, 4514, 4559
 OBESITY IN DIABETES: 1140, 3038
 OBSTETRICS: 1, 111
 OCCIPITAL LOBE: 2864, 3298
 OCCLUSIVE DRESSINGS: 744, 3090, 4577, 4653
 OCCUPATIONAL DISEASES: 548, 3193
 OCCUPATIONAL HEALTH SERVICES: 1285
 OCCUPATIONS: 229, 288
 OCEANOGRAPHY: 1664
 OCULOMOTOR MUSCLES: 4317
 OCULOMOTOR PARALYSIS: 1318, 1785, 2215, 2600
 ODONTOGENESIS: 766
 ODONTOGENESIS IMPERFECTA: 2426
 ODONTOGENIC TUMOR: 2495, 4418
 OILS: 207, 867
 OINTMENT BASES: 3693, 4691
 OINTMENTS: 59, 463, 744, 982, 1888, 1940, 2063, 2565, 2655, 2875, 3082, 3281, 3693, 4714

OLEIC ACIDS: 202, 569, 754, 1668, 2026
 OLFACTORY BULB: 303, 521, 1126, 1272, 1663, 2808, 2816, 3641
 OLFACTORY NERVE: 3641
 OLFACTORY PATHWAYS: 1272, 2759, 3641
 OLIGODENDROGLIOMA: 2088, 3069, 3448, 3829
 OLIGOMENORRHEA: 304, 4404, 4435
 OLIGOMYCIN: 368, 1058, 1625, 1784, 3056, 3505, 4097
 OLIGOPEPTIDES: 685, 980, 2143, 2151, 2428
 OLIGOSACCHARIDES: 3893
 OLIGOSPERMIA: 2349
 OLIGURIA: 1278
 OMASUM: 2805
 ONCOGENIC VIRUSES: 3157, 4646
 OOCYTES: 468, 573, 817, 1059, 1077, 1265, 1373, 2035, 2398, 2974, 3432, 3478, 3947, 4431, 4460, 4696
 OOGENESIS: 573, 666, 1052, 1059, 2035, 3145, 4391
 OOGONIA: 2398
 OOPHORITIS: 1559
 OPERON: 627, 4648
 OPHTHALMIA: 734
 OPHTHALMIC SOLUTIONS: 2147, 4483
 OPHTHALMOSCOPY: 524, 1397
 OPOSSUMS: 1288, 2816, 3641
 OPSONINS: 677, 742, 1353
 OPTIC ATROPHY: 101, 3003, 4307
 OPTIC CHIASM: 2928, 4159, 4231
 OPTIC NERVE: 10, 619, 1118, 1499, 1737, 1809, 3927, 4159
 OPTIC NEURITIS: 10, 1499
 OPTICAL ROTATION: 716, 822, 2507, 2793, 3141, 3244, 3465, 4390
 OPTICAL ROTATORY DISPERSION: 344
 ORAL MANIFESTATIONS: 213, 766
 ORBIT: 47, 2088, 2600, 2770-2771, 3669, 3699, 4106, 4590, 4652
 ORBITAL NEOPLASMS: 523, 1116, 2088, 2770, 3013, 3699, 3927, 4104, 4106, 4377, 4573, 4590, 4652
 ORCHITIS: 4015
 ORCIPRENALINE: 1800, 2354, 3317
 ORGAN CULTURE: 191, 486, 604, 662, 664-665, 809, 972, 978, 1000, 1274, 1425, 1511, 1993, 2578, 3192, 3194, 3272, 3365, 3387, 3401, 3504, 3563, 3567, 3798, 4113, 4344
 ORGAN PRESERVATION: 900, 4208-4209, 4244
 ORGAN SPECIFICITY: 85, 112, 176, 254, 258, 287, 321, 381, 510, 521, 536, 581, 727, 796, 894, 911, 975, 1067, 1097, 1120, 1129, 1202, 1460, 1521, 1528, 1817, 1735, 1817, 1877, 2047, 2062, 2108, 2428, 2446, 2465, 2824, 2885, 3045, 3050, 3357, 3373, 3506, 3680, 3795, 3948, 3960, 4089, 4252, 4448, 4486, 4524
 ORGAN WEIGHT: 2, 39, 73, 80, 124, 203, 290, 334, 343, 347, 385, 423-424, 560, 585, 620, 645, 648, 686, 688, 702, 715, 858, 877, 927, 951, 986, 1004, 1013, 1025, 1039, 1151, 1166, 1172, 1235, 1241, 1283, 1430, 1555, 1644, 1664, 1681, 1701, 1742, 1744, 1770, 1773, 1832, 1922, 1964-1965, 2014, 2017, 2060, 2116, 2131, 2135, 2161, 2183, 2250, 2278, 2301, 2382, 2391, 2411, 2496-2499, 2519, 2524, 2540, 2542, 2563, 2735, 2837, 2860, 2996, 3054, 3104, 3108, 3110, 3182, 3202, 3210, 3354, 3413-3415, 3443, 3480, 3526, 3536, 3595, 3629, 3672, 3780, 3788, 3823, 3831, 3873, 3908, 3958, 3962, 3973, 3987, 4005, 4051, 4082, 4085, 4092, 4120, 4126, 4129, 4151, 4178, 4181, 4187, 4209, 4349, 4387, 4413, 4504, 4506, 4592, 4613, 4649, 4661
 ORGANIZATION AND ADMINISTRATION: 2854
 ORGANONDS: 607, 1622, 3224, 3495, 3715, 4114
 ORGANOMETALLIC COMPOUNDS: 148, 468, 1046, 2147, 4593
 ORGANOPHOSPHORUS COMPOUNDS: 157, 254, 989, 1735, 2091, 3508, 4086, 4527
 ORGANOTHIOPHOSPHORUS COMPOUNDS: 4394
 ORIENTATION: 1496, 2724, 4600
 ORNITHINE: 66, 2089, 3560
 ORNITHINE AMINOTRANSFERASE: 2344
 ORNITHINE CARBAMOYLTRANSFERASE: 434, 1225, 1738, 1776
 ORNITHINE DECARBOXYLASE: 105, 2450, 3040, 3443, 3560, 3662, 3844, 4172, 4188

OROTIC ACID: 201, 330, 1609, 3743
 ORTHODONTICS, CORRECTIVE: 612
 ORTHOPEDICS: 813, 4001
 ORTHOTIC DEVICES: 1449
 OSGOOD-SCHLATTER DISEASE: 3565
 OSMIUM: 1663, 4143
 OSMOLAR CONCENTRATION: 138, 174, 177, 227, 287, 400, 494, 600, 653, 747, 805, 1292, 1415, 1518, 1640, 1745, 1829, 1857-1859, 2128, 2143, 2326, 2436, 2625, 2843, 2881, 2763, 2803, 3008, 3071, 3138, 3251, 3320, 3400, 3490, 3590, 3657, 3697, 3796, 3838, 3976, 3978, 4103, 4196, 4208-4209, 4332, 4494, 4528
 OSMOSIS: 2886
 OSMOTIC FRAGILITY: 2786
 OSMOTIC PRESSURE: 1598, 3185, 3251, 3501
 OSSIFICATION, PATHOLOGIC: 3551, 4246
 OSSIFICATION, PHYSIOLOGIC: 518, 1344, 1836, 2111, 2433, 3048, 3393, 3658, 3880
 OSTEITIS DEFORMANS: 37, 989, 2306, 4066, 4437
 OSTEITIS FIBROSA CYSTICA: 1262, 2749, 3005
 OSTEOARTHRITIS: 2306, 2589, 2902, 3701, 4019, 4343
 OSTEOARTHROPATHY, SECONDARY
 HYPERTROPHIC: 2718, 3585
 OSTEOBLASTS: 439, 811, 1376, 1884, 1992, 2495, 2497, 2502, 3048, 3176, 3380, 3658, 3880
 OSTEOCHONDRITIS: 875
 OSTEOCLASTS: 37, 811, 1121, 1796, 2495, 3048, 3658, 3696, 3880
 OSTEOCYTES: 1796, 1884, 2495, 2497, 2623, 3653, 3658
 OSTEOGENESIS: 99, 566, 811, 2623, 4047
 OSTEOGENESIS IMPERFECTA: 1102, 1405, 2037, 2095, 2138, 2495, 3456, 3868, 4154, 4485, 4549, 4624
 OSTEOLYSIS: 1376, 1848
 OSTEOOMA: 3714, 4377, 4418
 OSTEOOMA, OSTEOID: 3714
 OSTEOOMALACIA: 324, 572, 728-729, 791, 971, 1121-1122, 1191, 1256, 1262, 1299, 1435, 2273, 2295, 2375, 2491, 2493, 2902, 3378, 3484, 3817, 4652-4693
 OSTEOMYELITIS: 1336, 2439, 2770, 2914, 4246
 OSTEOPECTOSIS: 966, 3646, 3755, 3869, 4072, 4246
 OSTEOPOROSIS: 40, 60, 110, 557, 706, 713, 1048, 1063, 1101, 1204, 1256, 1336, 1386, 1435, 1585, 1779, 1791, 1848, 2001-2002, 2145, 2148, 2306, 2577, 2589, 2660, 2678, 2718, 2830, 2985, 3701, 3799, 4066, 4069, 4263, 4444
 OSTEOSCLEROSIS: 1433, 1791, 4019, 4246
 OSTEOTOMY: 763, 2230, 3810
 OSTERTAGIASIS: 3409
 OTITIS: 622
 OTITIS EXTERNA: 3281
 OTITIS MEDIA: 2713
 OTORHINOLARYNGOLOGIC DISEASES: 622, 3440
 OTOSCLEROSIS: 4624
 OUABAIN: 431, 1068, 1131, 1595, 1665, 1693, 1844, 1942, 2267, 2359, 2648, 2999, 3137, 3691, 3820, 4012, 4412
 OVALBUMIN: 821, 872, 2755, 3802
 OVARIAN CYSTS: 351, 797, 1510, 1778, 2618, 2716, 2891, 3113, 3260, 3349, 3576, 3717, 4127, 4304, 4643, 4729
 OVARIAN DISEASES: 279, 991, 1187, 1559, 1680, 1901, 2204, 2798, 3112, 3198, 3665, 3716, 4376, 4428
 OVARIAN FUNCTION TESTS: 2965, 3112
 OVARIAN NEOPLASMS: 200, 393, 437, 496, 502, 552, 654, 678, 683, 723, 731, 756, 819, 856, 949, 985, 1037, 1110, 1117, 1215, 1352, 1428, 1502, 1510, 1559, 1748, 2170-2171, 2243, 2264, 2429, 2440, 2523, 2629, 2716, 2732, 2740, 2800, 2889, 2891, 2905, 2911, 2933, 3134, 3193, 3230, 3237, 3258, 3261, 3454, 3471, 3557, 3576, 3683, 3929, 4018, 4073, 4093, 4144-4145, 4310, 4341, 4352, 4369, 4402, 4514-4515, 4517, 4643, 4646
 OVARY: 35, 88, 93, 100, 120, 135, 184, 187, 191, 212, 279, 287, 309, 334, 341, 363, 403, 423, 438, 444-445, 450-451, 471, 498, 536, 573, 580, 585, 651, 665-666, 686, 688, 795, 812, 828, 861, 883, 903, 919, 986, 991, 1006, 1039, 1044, 1072, 1086, 1097, 1144, 1149, 1171-1172, 1245, 1265, 1316, 1319, 1349, 1358, 1373, 1430, 1444, 1448,

SUBJECT INDEX

1467, 1486, 1553, 1559, 1574, 1586, 1620, 1630-1631, 1662, 1664, 1674, 1724, 1732, 1762, 1772, 1782, 1804-1805, 1832, 1861, 1922, 1939, 1984-1985, 1991, 2000, 2024, 2035, 2045, 2047, 2081, 2120, 2211, 2232, 2254, 2286, 2299, 2301, 2314, 2322, 2345, 2391, 2398, 2442, 2463, 2468, 2526, 2531, 2578, 2609, 2631-2632, 2654, 2709-2710, 2717, 2739, 2773, 2787, 2817, 2853, 2871, 2877, 2915, 2932, 2963, 2996, 3014, 3019, 3026, 3075, 3126, 3145, 3172, 3179, 3198, 3214-3215, 3226, 3233, 3309, 3319, 3337, 3349, 3413, 3421, 3427, 3455, 3471, 3497, 3517, 3522-3523, 3569, 3581, 3629, 3638, 3706, 3716, 3737, 3757, 3793, 3822, 3835, 3859-3860, 3871, 3901, 3911, 3919-3920, 3926, 3928, 3946, 3975, 4005, 4010, 4114, 4129, 4140, 4147, 4161, 4218, 4228, 4256, 4265, 4307, 4344, 4347, 4399, 4414, 4446, 4451, 4504, 4618-4619, 4637, 4696, 4709
 OVIDUCTS: 80, 585, 821, 1768, 1922, 2296, 2468, 2755, 2887, 3280, 3478, 3960, 4005, 4256
 OVIPOSITION: 1310, 1991, 2301, 2723, 3195, 3901, 4135
 OVULATION: 78, 120, 187, 214, 304, 336, 374, 440, 451, 638, 679, 708, 781, 800, 812, 839, 851, 854, 861, 1052, 1065, 1172, 1188, 1291, 1342, 1358, 1418, 1427, 1430, 1703, 1734, 1743, 1916, 1971, 1998, 2000, 2008, 2010, 2106, 2115-2116, 2185, 2301, 2351, 2362, 2412, 2419, 2463, 2468, 2537, 2585, 2594, 2618, 2729, 2809, 2811, 2818, 2870, 3075, 3172, 3198, 3279, 3337, 3432, 3461, 3510, 3564, 3613, 3629, 3638, 3692, 3747, 3757, 3764-3765, 3947, 3983, 4010, 4057, 4135, 4289, 4291, 4333, 4400, 4404, 4479, 4547, 4560, 4562
 OVUM: 18, 212, 214, 271-272, 313, 468, 477, 549, 664-665, 817, 839, 1059, 1077, 1265, 1511, 1828, 1911, 1977, 2066, 2322, 2366, 2537, 2809, 2853, 3195, 3267, 3336, 3432, 3478, 3564, 3568, 3634, 3692, 3793, 3835, 4167, 4254, 4320, 4460, 4560, 4578, 4696
 OXALATES: 592, 603, 2076, 2696, 2947
 OXALOACETATES: 1202
 OXANDROLONE: 2403, 2711
 OXAPROSTYNOIC ACIDS: 2785
 OXAZOLES: 645, 819
 OXIDATION-REDUCTION: 76, 117, 224, 359, 461, 599, 886-887, 918, 997, 1028, 1176, 1506, 1550, 1659, 1817, 2023, 2055, 2233, 2282, 2386, 3284, 3507, 3663, 3680, 3766, 3770, 3910, 4042, 4124, 4511, 4552
 OXIDATIVE PHOSPHORYLATION: 205, 3056-3057, 3505, 3767-3768, 3843, 4532
 OXIDES: 400, 900
 OXIDOREDUCTASES: 838, 848, 2319, 2810, 3200, 3597, 3605, 4216
 OXIDOREDUCTASES, N-DEMETHYLATING: 2337
 OXIMES: 1200
 OXYCEPHALY: 4247
 OXYGEN: 103, 167, 501, 548, 1091, 1130, 1381, 1416, 1550, 1770, 2252, 2447, 2539, 2560, 2685, 2949, 3451, 3896, 4201, 4254, 4353, 4394, 4570, 4572, 4608, 4727, 4730
 OXYGEN CONSUMPTION: 86, 201, 205, 387, 548, 900, 968, 1128, 1295, 1358, 1360, 1380, 1599, 1784, 1952, 1981, 2447, 2560, 2642, 2966, 3056-3057, 3068, 3118, 3161, 3486, 3505, 3562, 3648, 3678, 3770, 3843, 3964, 4050, 4071, 4170, 4190, 4209, 4506, 4532, 4553
 OXYGEN INHALATION THERAPY: 548, 1261, 3317, 3922, 4663
 OXYGENASES: 1624, 2661, 3680
 OXYHEMOGLOBIN: 4730
 OXYMETHOLONE: 48, 492, 1223, 4711
 OXYPHENBUTAZONE: 3154, 4717
 OXYPURINOL: 1912
 OXYTETRACYCLINE: 274, 518, 1830
 OXYTOCIN: 66, 192-193, 245, 431, 494, 527, 561, 633, 687, 812, 1071, 1308, 1349, 1462, 1467, 1547, 1800, 1987, 2354, 2568, 2820, 3002, 3548, 3854, 3960, 4096, 4143, 4392, 4423
 OXYTOCINASE: 350, 2726, 3098
 OZONE: 572

P

PAIN: 154, 804, 1002, 1260, 1318, 1841, 2080, 2221, 2511, 2531, 2597, 2663, 2715, 2736, 2881, 2928, 3301, 3420, 4058, 4444, 4595, 4655
 PAIN, INTRACTABLE: 2715, 3612

PALATE: 547, 1855, 3307
 PALEONTOLOGY: 1675
 PALLIATIVE TREATMENT: 502, 1002, 2050, 3342
 PALMITIC ACIDS: 202, 221, 2389, 3138
 PALPATION: 33, 2496, 2952, 3233
 PANCREAS: 49, 148, 510, 576, 595, 848, 914, 947, 980, 1007, 1081, 1173, 1758, 1861, 2017, 2059, 2089, 2143, 2250, 2423, 2658, 2772, 2980-2981, 3368, 3373, 3401, 3657, 3822-3823, 3918, 3932, 4127, 4195, 4212, 4218, 4265, 4286, 4440
 PANCREATECTOMY: 947, 1002
 PANCREATIC DISEASES: 1240, 2089, 3630, 3665
 PANCREATIC EXTRACTS: 3630
 PANCREATIC JUICE: 4195
 PANCREATIC NEOPLASMS: 641, 659, 985, 1002, 1520, 3582
 PANCREATITIS: 49, 173, 449, 1048, 1949, 3492, 3630, 4443, 4445
 PANCREOZYMIN: 980, 1002, 2143
 PANCURONIUM: 2760, 2779
 PANTOTHENIC ACID: 2682
 PAPAIN: 836, 1378
 PAPAVERINE: 408, 462, 973, 1058, 1896, 1927, 2298, 3205, 3602, 4409, 4442, 4486
 PAPER: 1104
 PAPILLARY MUSCLES: 1295, 1311, 2359, 4243, 4360
 PAPILLODEMA: 10, 523, 2637, 3256
 PAPILOMA: 190, 4018
 PAPIO: 2768, 3775, 4017
 PARAGANGLIOMA, NONCHROMAFFIN: 2699
 PARAKEETS: 1442
 PARAKERATOSIS: 4714
 PARALYSIS: 942, 2404, 4280
 PARAMETHASONE: 170
 PARANASAL SINUS NEOPLASMS: 4590
 PARANASAL SINUSES: 565, 2770-2771
 PARANOIA: 175
 PARAPLEGIA: 1876
 PARAQUAT: 2578
 PARASITE EGG COUNT: 3568, 4427
 PARASITIC DISEASES: 3849, 3984
 PARASYMPATHETIC NERVOUS SYSTEM: 342, 2084, 2761
 PARASYMPATHOLYTICS: 217, 2511, 3555, 3855, 4279
 PARASYMPATHOMIMETICS: 2819
 PARATHYROID DISEASES: 2660, 3292, 3665, 4503
 PARATHYROID GLANDS: 25, 51, 63, 237, 267, 277, 326, 562, 641, 1098, 1132, 1173, 1262, 1315, 1468, 1608, 1645-1647, 1937, 1992, 2033, 2076, 2131, 2148, 2494, 2601, 2627, 2749, 2867, 3005, 3107, 3449, 3479, 3688-3689, 4232, 4439, 4450, 4503
 PARATHYROID HORMONE: 13, 37, 147, 211, 237, 267, 325, 327, 405, 606, 646, 769, 954, 1121, 1262, 1281, 1315, 1356, 1607, 1646-1647, 1792, 1941, 1948, 1972, 1992, 2033, 2148, 2157, 2203, 2242, 2325, 2490, 2577, 2601, 2649, 2749, 2753, 2847, 2867, 2976, 3000, 3123, 3128, 3292, 3365, 3610, 3688-3689, 3721, 3723, 3741, 3795, 3817, 4039, 4066, 4472, 4503, 4723
 PARATHYROID NEOPLASMS: 405, 971, 1348, 1433, 1490, 1647, 1717, 1941, 2157, 2490, 2584, 2660, 2847, 2952, 3123, 3156, 3622, 3624, 3721, 4150, 4348, 4445, 4501
 PARAVENTRICULAR NUCLEUS: 561, 3895
 PARENT-CHILD RELATIONS: 4679
 PARENTAL FEEDING: 2017
 PARENTS: 1330, 3196, 4698
 PARENSIS: 1042
 PARESTHESIA: 4299
 PARGYLINE: 3553, 4197
 PARIETAL BONE: 1452, 2951
 PARIETAL LOBE: 1089, 1809
 PARITY: 303, 498, 527, 798, 1965, 1982, 2049, 2072, 2231, 2742, 2852, 3218, 3399, 3859, 4372, 4504, 4729
 PARKINSONISM: 1421, 1886, 2022, 2187, 2475, 2553, 3017, 3203, 4533, 4682, 4710
 PAROTID GLAND: 578-579, 1100, 1198, 2865, 2878, 3567, 3796
 PAROTID NEOPLASMS: 1930
 PAROTITIS: 1946, 2215
 PAROVARIAN CYST: 4514

PARROTS: 1442
 PARTHENOGENESIS: 477, 2537, 4061
 PARTIAL PRESSURE: 501, 1091, 2447, 2539, 2949, 3451, 3896, 4394, 4570
 PARTICLE SIZE: 1923
 PARTURIENT PARESIS: 2575
 PASSIVE TRANSFER: 126, 2084, 4628
 PATAS MONKEYS: 2717
 PATELLA: 518, 725
 PATHOLOGY: 65, 377, 3401, 3879, 4078
 PATIENT CARE PLANNING: 129, 2606
 PATIENT COMPLIANCE: 1902
 PATIENT DROPOUTS: 798
 PATIENTS: 694
 PEAK EXPIRATORY FLOW RATE: 1487
 PEDIATRICS: 2534, 3401
 PEDIGREE: 87, 232, 262, 319, 460, 557, 760, 1003, 1160, 1226, 1343, 1403, 1405, 1483, 1507, 2037, 2042, 2415, 2432, 2472, 2582-2583, 2784, 2982, 3092, 3196, 3227, 3437, 3463, 3656, 3763, 3867, 4072, 4154, 4307, 4322, 4432, 4435, 4495, 4548-4549
 PEDOPHILIA: 1008
 PELVIC BONES: 2439
 PELVIC NEOPLASMS: 502, 4418
 PELVIS: 713, 2111, 2531, 3979, 4288
 PEMPHIGUS: 3236
 PEMPIDINE: 559
 PENICILLAMINE: 782, 2677, 4025
 PENICILLIN AMIDASE: 3910
 PENICILLIN G: 373
 PENICILLIN, PHENOXYMETHYL: 1896
 PENICILLINS: 721, 956, 1370, 1981, 2714, 3016, 3910, 4027, 4343
 PENICILLIUM: 739, 2599
 PENILE DISEASES: 1146
 PENILE NEOPLASMS: 2236, 2649, 3398
 PENIS: 792, 1451, 2040, 2195, 2236, 2624, 2844, 2996, 3392, 4178
 PENTAERYTHRITOL TETRANITRATE: 1396
 PENTAGASTRIN: 852, 1022, 2574, 2836, 2970
 PENTAZOCINE: 1482
 PENTOBARBITAL: 488, 512, 1130, 2039, 2547, 2761, 3223, 3553, 3662, 4462
 PENTOLINUM TARTRATE: 4083
 PENTOSEPHOSPHATES: 1245, 2342, 3770, 4471
 PENTOSE: 1516, 3200
 PENTYLENETETRAZOLE: 1042, 3553
 PEPSIN: 924, 3630
 PEPTIC ULCER: 136, 1091, 1189, 2223, 2494, 2970, 4217, 4443, 4445
 PEPTIC ULCER HEMORRHAGE: 542
 PEPTIC ULCER PERFORATION: 3171
 PEPTIDE FRAGMENTS: 574, 693, 746, 769, 1356, 1646, 2157, 2245, 3288, 3360, 3897
 PEPTIDE HYDROLASES: 1095, 1265, 1583-1584, 1972, 2260, 2720, 2768, 3084, 3255, 3953, 4696
 PEPTIDE INITIATION FACTORS: 3718, 4162
 PEPTIDE PEPTIDOHYDROLASES: 2729, 2894
 PEPTIDE SYNTHETASES: 126
 PEPTIDES: 121, 351, 564, 637, 826, 1007, 1288, 1385, 1538, 1647, 1683, 1767, 1972, 2055, 2104, 2151, 2307, 2334, 2380, 2490, 2518, 2579, 2778, 2849, 2980, 3001, 3042, 3045, 3083, 3095, 3357, 3461, 3533, 3577, 3582, 3644, 3681, 3687, 4062, 4381, 4493, 4540
 PEPTOCOCCUS: 3394
 PERCEPTION: 625
 PERCHLORIC ACIDS: 3195, 3439
 PERFUSION: 46, 53, 511, 603, 606, 796, 896, 977, 1014, 1040, 1064, 1175, 1178, 1323, 1358, 1365, 1549, 1595, 1735, 1846, 1872, 1881, 1885, 1925, 2048, 2104, 2128, 2252, 2359, 2418, 2934, 2950, 2994, 3089, 3121, 3369, 3515, 3637, 3691, 3728, 4011-4012, 4187, 4208-4209, 4494
 PERICARDIAL EFFUSION: 62, 655, 721, 4225
 PERICARDITIS: 655, 721, 4225, 4595
 PERICARDITIS, TUBERCULOUS: 3945
 PERILYMPH: 2044
 PERINEUM: 736, 3852
 PERIODIC ACIDS: 3313
 PERIODIC DISEASE: 1516
 PERIODICITY: 3, 256, 371, 795, 951, 986, 1054, 1302-1303, 1653, 1832, 2035, 2153, 2183, 2396, 2812, 2831, 3054, 3191, 3559, 3614, 3695, 3995,

SUBJECT INDEX

- 4005, 4240, 4618
 PERIODONTAL DISEASES: 213, 503, 4066
 PERIODONTITIS: 503
 PERIODONTIUM: 213, 2119, 2510, 3933
 PERIOSTEUM: 2497, 4224
 PERIOSTITIS: 102, 2830
 PERIPHERAL NERVE DISEASES: 10, 1118, 1470, 1737, 2221, 3993
 PERIPHERAL NERVE NEOPLASMS: 10
 PERIPHERAL NERVES: 557, 1165, 2119, 2225, 2522, 2614, 2928, 3084, 3670
 PERISTALSIS: 3614
 PERITONEAL DIALYSIS: 1034, 2076, 2220, 3183
 PERITONEAL DISEASES: 2531, 4643
 PERITONEAL FLUID: 920, 2112
 PERITONEAL NEOPLASMS: 723, 2171, 2843, 3982, 4643
 PERITONITIS: 2605
 PERMEABILITY: 58, 855, 1857, 3143, 3400, 4196
 PEROXIDASES: 56, 82, 551, 730, 742, 962, 1028, 1109, 1165, 1833, 1900, 2045, 2248, 2414, 2733, 2925-2926, 2929, 3004, 3184, 3405, 3495, 3533, 4174
 PEROXIDES: 858, 1028, 1109, 1876, 2607, 2661, 3604, 3952, 4543-4545
 PERPHENAZINE: 340
 PERSONAL HEALTH SERVICES: 2188
 PERSONALITY: 625, 3786
 PERSONALITY DEVELOPMENT: 625, 4698
 PERSONALITY DISORDERS: 3660
 PERSONALITY INVENTORY: 1340, 4679
 PERTUSSIS VACCINE: 2400
 PESTICIDE RESIDUES: 3470
 PESTICIDES: 98, 4219
 PETROUS BONE: 4539
 PHAGOCYTE BACTERICIDAL DYSFUNCTION: 2551, 3616
 PHAGOCYTOSIS: 56, 161, 642, 677, 742, 904, 1353, 1833, 2053, 2152-2153, 2170-2171, 2414, 2556, 3664, 3772, 3783, 4043
 PHARMACEUTIC AIDS: 2147
 PHARMACOLOGY: 1259, 1981
 PHARYNGEAL NEOPLASMS: 3785
 PHARYNGITIS: 622
 PHARYNX: 3497, 3852
 PHENANTHROLINES: 1882, 2863
 PHENETHANOLAMINE
 N-METHYLTRANSFERASE: 442, 1362, 1364, 1777, 2850
 PHENETHYLAMINES: 218, 1364, 2229, 2354, 3331, 3445, 3486, 3534, 3572
 PHENFORMIN: 1210, 2041
 PHENIRAMINE: 4062
 PHENOBARBITAL: 243, 914, 1028, 1469, 1507, 1933, 2028, 2338, 2385, 3376, 3433, 3680, 3863, 4110
 PHENOLS: 1624, 2354, 3578, 4578
 PHENOTHIAZINE TRANQUILIZERS: 340, 626, 1572, 1947, 2511
 PHENOTHIAZINES: 1173, 3539, 3613
 PHENOTYPE: 454, 563, 687, 864, 881, 939, 972, 1053, 1207, 1251, 1405, 1967, 2031, 2373, 2415, 2432, 2657, 2784, 2827, 2957, 3174, 3196, 3687, 4029, 4229, 4401, 4471, 4506, 4563
 PHENOXYACETATES: 1981
 PHENOXYBENZAMINE: 156, 318, 348, 990, 1006, 1151, 1218, 1617, 2435, 2641, 2665, 2906, 2921, 2962, 3904, 4076, 4188, 4353, 4667
 PHENTOLAMINE: 113, 153, 318, 348, 488, 578-579, 752, 847, 864, 1042, 1203, 1288, 1379, 1568, 1588, 1942, 2006, 2423, 2641, 2648, 2665, 2705, 2761, 2962, 3089, 3094, 3205, 3609, 3710-3711, 3838, 3904, 4037, 4188, 4236, 4353
 PHENYL ETHERS: 418, 983, 2303, 2416, 2456
 PHENYLACETATES: 1430, 1541, 2341, 2571, 3537, 4430
 PHENYLALANINE: 51, 66, 468, 637, 659, 2151, 2401, 2766, 2841, 2880, 3355, 3369, 3537, 4274
 PHENYLBUTAZONE: 2087, 2589, 3443, 4717
 PHENYLBUTYRATES: 3376
 PHENYLENEDIAMINES: 231
 PHENYLEPHRINE: 113, 153, 373, 578, 812, 1203, 1487, 1808, 2665, 3089, 3702, 3710, 4236
 PHENYLISOPROPYLADENOSINE: 465
 PHENYLKETONURIA: 481, 1201, 1516, 2880, 3537
 PHENYLPROPANOLAMINE: 652
 PHENYLPROPIONATES: 353, 2587
 PHENYLPIRUVIC ACIDS: 2201
 PHENYLTHIOHYDANTOIN: 1972, 2089
 PHENYLTHIOUREA: 280, 2270, 2890
 PHEOCHROMOCYTOMA: 156, 262, 265, 449, 567, 699, 1250, 1276, 1613, 2443, 2584, 2913, 3156, 3245, 3582, 3623-3624, 4076, 4087, 4150, 4249, 4251, 4387, 4440, 4567, 4607, 4667
 PHEROMONES: 2000, 2427, 3179, 3522, 4325
 PHIMOSIS: 4495
 PHLEBITIS: 3462, 4019
 PHLEBOGRAPHY: 325, 731, 1420, 1600, 1941, 2080, 2434, 3699, 3841, 4087, 4652
 PHLORETIN: 278, 2772
 PHLORHIZIN: 747, 1871, 4316
 PHORBOL ESTERS: 1590
 PHORBOLS: 1590
 PHOSGENE: 183
 PHOSPHATES: 236, 576, 1075, 1085, 1472, 1855, 2374, 2653, 2706, 3385, 3503, 3722
 PHOSPHATES: 13, 36-37, 141, 146, 231, 267, 367-368, 376, 740, 778, 954, 1184, 1262, 1299, 1411, 1599, 1645, 1983, 1994, 2044, 2368, 2375, 2387, 2658, 2676, 2946, 3067, 3689, 3778, 4146, 4499, 4528, 4659
 PHOSPHATES, INORGANIC: 1625, 1742, 3057, 3507, 3795, 3896, 4039, 4316
 PHOSPHATIDIC ACIDS: 1268, 3167
 PHOSPHATIDYL CHOLINE: 759, 1268, 2018, 3138
 PHOSPHATIDYL ETHANOLAMINE: 759, 1120, 1268
 PHOSPHATIDYL INOSITOL: 52, 759, 1268, 2444-2445, 2900
 PHOSPHATIDYL SERINE: 759, 1268, 1538, 2443-2445
 PHOSPHOCREATINE: 930, 2924
 PHOSPHODIESTERASES: 83, 112, 361, 382, 458, 462, 576, 614, 627, 710, 727, 770, 847, 884, 1220, 1233, 1259, 1324, 1587, 1802, 1873, 1898, 1927, 2062, 2136, 2167, 2298, 2324, 2333, 2346, 2420, 2423, 2652, 3057, 3166, 3363, 3422, 3493, 3602, 3710, 3729, 3776, 3932, 4085, 4156, 4418, 4442, 4449, 4486, 4502
 PHOSPHOENOLPYRUVATE: 984, 3494, 3507, 3777
 PHOSPHOENOLPYRUVATE CARBOXYKINASES: 57, 199, 1925
 PHOSPHOFRUCTOKINASE: 275, 1489, 3200, 4359
 PHOSPHOGLUCOMUTASE: 1635, 2764, 3463
 PHOSPHOGLUCONATE DEHYDROGENASE: 1504, 3463, 4029, 4362
 PHOSPHOGLYCERATE DEHYDROGENASE: 126, 1735
 PHOSPHOGLYCERATE KINASE: 1537, 3336, 3847, 4537
 PHOSPHOINOSITIDES: 52, 543
 PHOSPHOLIPASE: 993, 1120, 2435
 PHOSPHOLIPIDS: 759, 876-877, 1139, 1267-1268, 1505, 1602, 1629, 2334, 2389, 3046, 3138, 3167, 3200, 3300, 3447, 3482, 3506, 3703, 3725, 3887, 4457
 PHOSPHOMONOESTERASES: 1528, 1735, 3072
 PHOSPHONIC ACIDS: 740
 PHOSPHOPROTEINS: 146, 157, 1571, 1597, 1630-1631, 2267, 2634, 2658, 3508
 PHOSPHORESCENCE: 1830
 PHOSPHORIC ACIDS: 1530
 PHOSPHORUS: 37, 50, 65, 254, 327, 447, 472, 520, 646, 1029, 1121, 1129, 1262, 1315, 1513, 1608, 1738, 1797, 1818, 1829, 1948, 1992, 2131, 2242, 2305, 2375, 2418, 2503, 2566, 2574-2575, 2577, 2649, 2682, 2751, 2879, 3107, 3213, 3242, 3286, 3292, 3500, 3610, 3668, 3688, 3723, 3799, 3803, 3864, 4019, 4033, 4066, 4082, 4146, 4155, 4212, 4260, 4437, 4439, 4444, 4626, 4730
 PHOSPHORUS METABOLISM DISORDERS: 1281
 PHOSPHORUS RADIOISOTOPES: 543, 756, 819, 932, 1100, 1128, 1368, 1599, 1927, 1987, 2093, 2523, 2658, 3125, 3167, 3385, 3496, 3508, 3513, 4098, 4212, 4521
 PHOSPHORYLASE KINASE: 1597, 1824, 3543, 4084
 PHOSPHORYLASE PHOSPHATASE: 3543
 PHOSPHOTRANSFERASES: 6, 1431, 2363, 3336, 3777
 PHOSPHOTRANSFERASES, ATP: 2900, 3184, 3248, 3463, 4171
 PHOSPHOTUNGSTIC ACID: 607
 PHOSVITIN: 2990
 PHOTIC STIMULATION: 934, 1054, 1302, 1340, 1644, 2745, 2761, 2868, 3054, 3596, 4112
 PHOTOCHEMISTRY: 685, 702, 3375
 PHOTOGRAPHY: 49
 PHOTOMETRY: 3319, 3851
 PHOTOMICROGRAPHY: 1772
 PHOTOPHOSPHORYLATION: 4316
 PHOTORECEPTORS: 382, 3559, 3901, 4112
 PHOTOSYNTHESIS: 230, 1495, 3848
 PHYLOGENY: 693
 PHYSICAL EDUCATION AND TRAINING: 943, 4728
 PHYSICAL EXAMINATION: 416, 1283, 2224, 3898, 4265
 PHYSICAL FITNESS: 4728
 PHYSICAL STIMULATION: 2017, 3854, 4121
 PHYSICAL THERAPY: 1240, 1449, 1837, 3420, 4189, 4280
 PHYSICIAN-PATIENT RELATIONS: 111, 2070, 3390, 4694
 PHYSICIANS, FAMILY: 3399
 PHYSIOGNOMY: 2549
 PHYSOSTIGMINE: 217, 2195, 2761, 4317
 PHYTIC ACID: 4146
 PHYTOCHROME: 3848
 PHYTOSTEROLS: 1332
 PICLORAM: 4082
 PICOLINIC ACIDS: 4082
 PIERRE ROBIN SYNDROME: 3276
 PIGEONS: 116, 352, 661, 905, 1406, 1459, 1671-1672, 2175, 3228, 3897
 PIGMENTATION: 119, 1644, 2558, 4580, 4657
 PIGMENTATION DISORDERS: 938, 2155, 3514, 4391, 4539
 PIGMENTS: 2462, 3848, 4568
 PILOCARPINE: 1006, 1946, 2147, 3553
 PIMARICIN: 982
 PIMOZIDE: 413, 752, 1263, 2924, 3756, 4487
 PINDOLOL: 4188
 PINEAL BODY: 442, 514, 521-522, 619-621, 844, 876, 934, 986, 1054, 1227, 1290, 1728, 1832, 1882, 1939, 2411, 2868, 3224-3225, 3413-3414, 3504, 3559, 3796, 3901, 3963, 4112, 4413, 4425, 4535
 PINEALOMA: 1809, 3069, 3829, 3963
 PINNIPEDIA: 3145, 3938
 PINOCYTOSIS: 339, 1355, 3004, 3820
 PIPERAZINES: 819, 2177
 PIPERIDINES: 1325, 3485
 PITUITARY-ADRENAL FUNCTION TESTS : 628, 644, 1374, 2762, 4004, 4490
 PITUITARY-ADRENAL SYSTEM: 288, 424, 1648, 1754, 2124, 3031, 3044, 3791, 4004
 PITUITARY DISEASES: 377, 554, 1357, 1499, 1598, 1637, 2036, 2738, 2965, 3245, 3665, 3879, 4604
 PITUITARY GLAND: 20, 36, 55, 81, 160, 162, 184, 222, 269, 315, 339, 344-345, 357, 401, 415, 421, 423, 443, 488, 494, 509, 551, 554, 565, 601, 613, 628, 648, 737, 746, 752, 761, 772, 774, 795, 858, 883, 911, 932, 947-948, 1007, 1032, 1034-1035, 1055, 1065, 1137-1138, 1151-1152, 1185, 1198, 1257-1258, 1329, 1398, 1449, 1454, 1469, 1473-1476, 1517, 1521, 1556, 1611, 1637, 1650, 1655, 1660, 1671-1672, 1681, 1697-1698, 1709, 1728, 1735, 1743, 1770, 1832, 1858-1859, 1881, 1928, 1937, 1942, 1960, 1964, 1973, 1995, 1998, 2014, 2032, 2069, 2116, 2212, 2326-2327, 2339, 2354, 2356, 2377, 2381-2382, 2392-2393, 2422, 2450, 2464, 2468, 2474, 2483, 2507, 2514, 2524, 2594, 2684, 2694-2695, 2699, 2720, 2780, 2859, 2865-2866, 2871, 2877, 2908, 2936, 2944, 2972, 2984, 3066, 3151, 3169, 3177, 3192, 3194, 3252, 3295, 3319, 3364, 3408, 3413, 3415, 3511-3512, 3536, 3553, 3584, 3587, 3589, 3613, 3637, 3677, 3697, 3780, 3787, 3791, 3822, 3832, 3858, 3877, 3897, 3913, 3918, 3944, 3957, 3978, 3982, 3989, 4057, 4080, 4098, 4178, 4199, 4266, 4282, 4296, 4314, 4321, 4332, 4350, 4354, 4380, 4382, 4403, 4411, 4413, 4421, 4461, 4490, 4493, 4504, 4606, 4611, 4639, 4645, 4671
 PITUITARY GLAND, ANTERIOR: 120, 315, 339, 401, 423, 443, 551, 795, 948, 1032, 1138, 1151-1152, 1258, 1329, 1368, 1473-1475, 1485, 1521, 1650, 1937, 2326-2327, 2329, 2393, 2514, 2524, 2557, 2594, 2720, 2738, 2812, 2859, 2865, 2908, 3001, 3177, 3274, 3364, 3370, 3408,

SUBJECT INDEX

3414-3415, 3510, 3587, 3638, 3832, 3858, 3944, 3978, 3989, 4080, 4199, 4281-4282, 4314, 4354, 4403, 4645
 PITUITARY GLAND FUNCTION TESTS: 395, 634, 712, 961, 1328, 2032, 2302, 2965
 PITUITARY GLAND IRRADIATION: 2032, 2277
 PITUITARY GLAND, POSTERIOR: 192, 397, 494, 692, 1152, 1521, 1937, 2086, 2288, 2327, 2594, 2813, 2856, 2899, 3002, 3344, 3477, 3587, 4143, 4213, 4465, 4604
 PITUITARY HORMONE RELEASING HORMONES: 564, 571, 932, 1556, 2078, 2302, 2329, 2594, 2965, 3461, 3836, 4057
 PITUITARY HORMONES: 121, 571, 1007, 1449, 1517, 1636, 1800, 2327, 2572, 2631, 3621, 4057, 4314
 PITUITARY HORMONES, ANTERIOR: 1453, 1718, 1723, 2250, 2328, 2859, 3408, 3855, 4043, 4080, 4135, 4199
 PITUITARY NEOPLASMS: 41, 190, 467, 565, 712, 780, 1185, 1198, 1329, 1357, 1396, 1437, 1527, 1558, 1603, 1681, 1971, 2032, 2215, 2248, 2457, 2650, 3069, 3169, 3191-3192, 3245, 3312, 3619, 3650-3651, 3765, 3813, 4283, 4403, 4484, 4642
 PITUITRIN: 3790
 PLACEBO: 170, 420, 600, 624, 728, 2336, 2421, 2663, 3301, 3554, 3725, 3825, 3846, 3937, 3943, 4149, 4289
 PLACENTA: 8, 42, 86, 115, 276, 285, 291, 350, 365, 454, 659, 672, 678, 686, 711, 897, 1001, 1016, 1046, 1053, 1120, 1154, 1166, 1229, 1259, 1294, 1308, 1431, 1447, 1542, 1601, 1635, 1684, 1835, 1877, 1965, 2132, 2135, 2240, 2479, 2710, 2726, 2733, 2885, 2896, 2942, 3045, 3056-3057, 3098, 3210, 3248, 3297, 3332, 3351, 3357, 3401, 3404, 3488, 3517, 3598, 3680, 3746, 3840, 3852, 3973, 4006, 4009, 4057, 4071, 4099, 4113, 4132, 4166, 4358, 4361, 4525, 4593, 4608, 4618
 PLACENTA DISORDERS: 12, 29, 193, 291, 677, 1069, 1166, 1601, 1654, 1798, 1803, 2799, 2896, 3287, 3297, 3417, 3840, 3852, 4099
 PLACENTA PRAEVIA: 1601, 1798, 1803
 PLACENTAL FUNCTION TESTS: 4099, 4115
 PLACENTAL HORMONES: 1007, 4057, 4163, 4708
 PLACENTAL INSUFFICIENCY: 1601
 PLACENTAL LACTOGEN: 81, 285, 350, 1154, 1409, 1413, 1427, 1431, 2135, 2388, 2818, 3773, 4099, 4113, 4361
 PLACENTATION: 1601
 PLANARIANS: 3147
 PLANT AGGLUTININS: 610, 677, 909, 999, 1158, 1623, 1844, 2527, 2541, 3659, 4086, 4232
 PLANT DISEASES: 739
 PLANT EXTRACTS: 223, 1271, 3955
 PLANT GROWTH REGULATORS: 15
 PLANT POISONING: 223, 879, 2127
 PLANT PROTEINS: 3644, 3848
 PLANTS: 223, 257, 358, 381, 1115, 1165, 1198, 1271, 1981, 2127, 2755, 2929, 3318, 3644, 3955, 4316, 4502, 4524, 4572
 PLANTS, EDIBLE: 739
 PLANTS, MEDICINAL: 223, 1271, 3955
 PLAQUE ASSAY: 1123
 PLASMA: 5, 384, 1016, 1777, 3561
 PLASMA CELLS: 305, 2251, 3746
 PLASMA SUBSTITUTES: 1615, 4640
 PLASMA VOLUME: 1155, 1615, 1770, 2130, 2405
 PLASMACYTOMA: 1048, 3321
 PLASMAPHERESIS: 2528
 PLASMINOGEN: 1479, 1752, 2376
 PLASMODIUM BERGHEI: 1765
 PLASTOCYANIN: 3644
 PLATELET ADHESIVENESS: 301, 430, 455, 850, 1567, 1711, 1801, 1924, 2333, 2746, 2806, 3164, 3190, 4040, 4084, 4210, 4395, 4544-4545, 4582
 PLATELET AGGREGATION: 301, 380, 455, 850, 1567, 1711, 1801, 1924, 2376, 2661, 2746, 2806, 2912, 2993, 3164, 3190, 3386, 3783, 4064, 4210, 4395, 4544-4545, 4582
 PLATELET FACTOR 3: 1924
 PLATINUM: 1493, 1604
 PLATYBASIA: 2791, 3487
 PLAY: 1688, 2452
 PLAY THERAPY: 3124
 PLETHYSMOGRAPHY, IMPEDANCE: 2560

PLEURAL DISEASES: 152
 PLEURAL EFFUSION: 2858
 PLEURAL NEOPLASMS: 2843
 PLEURISY: 2858
 PLUTONIUM: 1563
 PNEUMOCOCCAL INFECTIONS: 976, 3182
 PNEUMOENCEPHALOGRAPHY: 1499, 2139, 2697, 4490
 PNEUMONECTOMY: 4190, 4724
 PNEUMONIA: 1088, 1119, 1500, 2605, 2856, 3925, 4701
 PNEUMONIA, ASPIRATION: 1337, 1520
 PNEUMONIA, INTERSTITIAL PLASMA CELL: 3889
 PNEUMONIA, VIRAL: 1261
 PNEUMORADIOGRAPHY: 3013
 PNEUMOTHORAX: 929, 2090, 2531, 3140
 POISONING: 115, 3143, 3853, 4082, 4308
 POISONS: 2380
 POLIOMYELITIS: 3628
 POLIOVIRUS: 677, 3628
 POLIOVIRUS VACCINE: 3628
 POLLEN: 2470, 3937
 POLY A-U: 138, 1685, 3263-3264
 POLY-ADENOSINE DIPHOSPHATE-RIBOSE: 575-576, 2666, 2824
 POLY I-C: 2269, 3659
 POLY U: 637, 2151
 POLYAMINES: 4166
 POLYCHAETA: 3053
 POLYCHLOROBIPHENYL COMPOUNDS: 1021, 1555, 3578, 4340
 POLYCYCLIC COMPOUNDS: 3899
 POLYCYTHEMIA: 208, 1112, 1155, 1843
 POLYETHYLENE GLYCOLS: 651, 694, 1505, 2607, 2701, 2929, 3379
 POLYETHYLENES: 900, 1604, 3933
 POLYGONUM: 223
 POLYMERORRHEA: 4404
 POLYMERS: 678, 2986, 4611
 POLYMORPHISM (GENETICS): 209, 1491, 2890, 2968, 4656
 POLYMYXIN: 373, 2713, 3281
 POLYNUCLEOTIDE SYNTHETASES: 1422
 POLYOMA VIRUS: 4326
 POLYPHLORETIN PHOSPHATE: 245, 278, 2772, 3204
 POLYPOIDY: 454, 687, 1123, 1171, 1277, 2898, 3199, 3421, 3672, 3949
 POLYPROPYLENES: 3933
 POLYPS: 992
 POLYRADICULITIS: 1545, 2215
 POLYRIBOSOMES: 143, 199, 339, 637, 821, 1168, 1198, 1258, 1980, 2151, 2261, 2313, 2644, 4274, 4361, 4487, 4610
 POLYSACCHARIDES: 1096, 3839
 POLYSACCHARIDES, BACTERIAL: 645, 999, 2101, 2842, 3100, 3257
 POLYSTYRENES: 3608
 POLYTETRAFLUOROETHYLENE: 3933, 4081
 POLYURIA: 4332
 POLYVINYLPYRROLIDONE: 231, 907, 2166, 2730
 POLYVINYL: 976, 3750
 PONS: 321, 533, 1033, 1814, 2546, 2928, 3486, 3882, 4222, 4252
 POPLITEAL ARTERY: 3027
 POPULATION: 1310, 3009
 POPULATION CONTROL: 2008
 POPULATION SURVEILLANCE: 1222
 PORPHYRIA: 154, 1317, 3539
 PORPHYRINS: 154, 2642
 PORTACAVAL ANASTOMOSIS: 122, 2408
 PORTAL SYSTEM: 2408, 3529
 PORTAL VEIN: 185, 1218, 1569, 2237, 3363, 3958
 POSITIVE-PRESSURE RESPIRATION: 1894, 2090, 2760, 4280
 POSTGASTRECTOMY SYNDROMES: 1256, 2295, 3906
 POSTMORTEM CHANGES: 3300
 POSTNATAL CARE: 789
 POSTOPERATIVE CARE: 1742, 2181, 2496, 3140, 3724, 3991, 4263, 4642
 POSTOPERATIVE COMPLICATIONS: 25, 64, 96, 123, 279, 313, 327, 513, 542, 544, 731, 826, 1082, 1157, 1336, 1397, 1480, 1600, 1749, 1840, 1878, 1907, 1949, 1958, 2327, 2494, 2504,

2560, 2647, 2692, 2707, 2725, 2746, 2771, 2788, 2881, 3084-3085, 3127, 3140, 3182, 3283, 3383, 3441, 3462, 3481, 3969, 4168, 4173, 4308, 4399, 4445, 4483, 4587, 4613
 POSTURE: 600, 1319, 2555, 2991, 3222, 3678, 3683, 4436, 4476, 4478, 4481
 POTASSIUM: 84-85, 133, 153, 177, 180, 211, 256, 365, 431, 447, 478, 484, 531, 579, 590, 593, 719, 733, 747, 791, 805, 829, 852, 868, 1068, 1128, 1137-1138, 1176, 1232-1233, 1267, 1381, 1415-1416, 1547, 1589, 1599, 1665, 1693, 1707, 1727, 1742, 1797, 1799, 1840, 1847, 1885, 2011, 2016, 2046, 2089, 2097, 2109, 2143, 2162, 2250, 2267, 2350, 2359-2360, 2387, 2406, 2534, 2545, 2550, 2590, 2648, 2665, 2676, 2682, 2689, 2706, 2727, 2729, 2751, 2781, 2786, 2788, 2794, 2813, 2860, 2878, 2883, 2899, 2955, 3031, 3055, 3119, 3129, 3161, 3163, 3195, 3286, 3343, 3385, 3500, 3505, 3515, 3691, 3697, 3722, 3751, 3784, 3796, 3818, 3850, 3958, 3970, 4097, 4209, 4217, 4314, 4412, 4476, 4478, 4481, 4523, 4556, 4581
 POTASSIUM CHLORIDE: 352, 359, 719, 1058, 1198, 1568, 1745, 2128, 2436, 2461, 2813, 2866, 3008, 3711, 3958
 POTASSIUM DEFICIENCY: 57
 POTASSIUM IODIDE: 49, 1146, 3750
 POTASSIUM PERMANGANATE: 2288
 POTASSIUM RADIOISOTOPES: 2359
 POTENTIOMETRY: 1595
 POULTRY: 2679, 4185
 POULTRY DISEASES: 499, 3334, 3480, 3568, 3803
 POVERTY: 1947, 2082, 3043, 3399
 POVIDONE-IODINE: 2166
 POWDERS: 76
 PRACTOLOL: 2706, 2962, 3904
 PRALDOXIME COMPOUNDS: 631
 PREALBUMIN: 1741, 2125
 PREANESTHETIC MEDICATION: 8, 2800
 PRECANCEROUS CONDITIONS: 1466, 2313, 2748, 3753, 4352, 4454, 4504, 4539
 PRECIPITATION: 199, 285, 334, 354, 564, 1168, 1350, 2909, 3284, 3673, 4091
 PRECIPITIN TESTS: 864, 1319, 1371, 2054, 4014, 4627-4628
 PRECIPITINS: 168, 2204, 2768
 PREDATORY BEHAVIOR: 3412
 PREDIABETIC STATE: 1140, 3096, 4508
 PREDNISOLONE: 150, 370, 373, 479, 610-611, 701, 1002, 1009, 1201, 1238, 1248, 1305, 1307, 1318, 1451, 1657, 1737, 1888, 1990, 2087, 2102, 2177, 2253, 2284, 2310, 2336, 2482, 2528, 2535, 2637, 2677, 2701, 2725, 2843, 2919, 2922, 3028, 3154, 3229, 3302, 3317, 3376, 3468, 3514, 3546, 3589, 3607, 3766, 3821-3822, 4008, 4041, 4110, 4155, 4241, 4262, 4299, 4343, 4384, 4405, 4541, 4660, 4715
 PREDNISONE: 5, 11, 263, 312, 466, 542, 616, 717, 721, 787, 827, 830, 915, 955, 1031, 1081, 1189, 1223, 1376, 1397, 1439, 1450, 1500, 1692, 1736, 1756, 1825, 1839, 1903, 1915, 1924, 1953, 1974, 2032, 2050, 2053, 2057, 2171, 2290, 2379, 2394, 2402, 2462, 2505, 2541, 2559, 2573, 2586, 2622, 2624, 2686, 2707, 2892, 3028, 3087, 3135, 3187, 3217, 3236, 3239, 3283, 3322, 3371, 3442, 3469, 3561, 3652, 3769, 3943, 3977, 3993, 4025, 4027, 4049, 4158, 4230, 4311, 4324, 4365, 4374, 4447, 4452, 4534, 4658, 4701, 4724
 PRE-ECLAMPSIA: 789, 1887, 2671-2672, 3800, 4115, 4270
 PREENING: 125
 PREGNADIENEDIOLS: 338
 PREGNADIENES: 3170
 PREGNANCY: 1, 8, 12, 18, 24, 26, 35, 38, 42, 78, 82, 86, 109, 111, 115, 130, 143, 156, 185, 193, 207, 212, 214, 225, 252, 272, 276, 291, 304, 317, 350, 364-365, 386, 398, 418, 451, 454, 464, 479, 492, 507, 527, 570, 577, 613, 630, 638, 640, 643, 664, 666-667, 672, 676-678, 681, 686, 689, 702-704, 711, 724, 748, 776-777, 789, 812-814, 817, 825, 828, 839, 853, 874, 883, 889, 897, 910-911, 921, 925, 968, 970, 1001, 1007, 1020, 1024, 1053, 1056, 1069, 1083, 1085, 1120, 1135, 1143, 1154, 1166, 1170, 1225, 1229, 1241, 1259, 1264, 1266, 1271, 1306, 1308, 1319, 1342, 1344, 1349, 1358, 1375, 1383, 1394, 1399, 1409, 1413, 1427, 1429-1430, 1447, 1452, 1455, 1461-1463, 1471, 1479, 1481, 1524, 1527, 1552, 1559, 1566, 1570, 1601, 1622, 1629, 1635, 1639, 1654, 1659, 1662, 1677, 1684, 1689, 1701, 1706, 1714, 1724,

SUBJECT INDEX

- 1739-1740, 1757, 1771, 1775-1776, 1778, 1782, 1797-1798, 1803, 1828, 1835, 1849, 1855-1857, 1868, 1877, 1887, 1890, 1901-1902, 1905, 1908, 1920, 1926, 1938, 1944, 1965-1966, 1972, 1980, 1982, 1986, 2007-2008, 2010, 2015, 2020, 2027, 2029, 2031, 2039, 2070, 2082, 2091-2092, 2122, 2125, 2132, 2135, 2158, 2194, 2205, 2210, 2226, 2231, 2240, 2268, 2280, 2283, 2293, 2316, 2323, 2348-2349, 2351, 2354, 2366, 2369-2370, 2386, 2395, 2410, 2413, 2433, 2437, 2452, 2486, 2479, 2531, 2534, 2548, 2568, 2574-2575, 2641, 2668, 2674, 2676, 2687, 2708, 2710, 2718, 2726, 2729, 2733, 2735, 2742, 2764, 2773-2774, 2783, 2790, 2795, 2799, 2810, 2818, 2820, 2833, 2853, 2871, 2878, 2880, 2885, 2896, 2902-2903, 2939, 2964-2965, 2995, 3018, 3036, 3043, 3045-3046, 3056-3057, 3079, 3096, 3098, 3117, 3167, 3175, 3207, 3209-3210, 3215, 3226, 3233, 3243, 3248, 3267, 3274, 3287, 3297, 3304, 3311, 3336, 3351, 3356-3357, 3381, 3399, 3404, 3407, 3409, 3411, 3417, 3427, 3431, 3433, 3435, 3455, 3488, 3510, 3512, 3517, 3519, 3550, 3558, 3564, 3566, 3576, 3578, 3584, 3594, 3598, 3610, 3613, 3620, 3633, 3639, 3680, 3698, 3707, 3709, 3734, 3736, 3738, 3746-3747, 3773, 3800, 3811-3812, 3840, 3852, 3878, 3887, 3905, 3938-3939, 3946-3947, 3949-3950, 3960, 3968, 3973, 3975, 3983-3984, 3999, 4006, 4009, 4017, 4023-4024, 4034, 4044, 4054-4055, 4057-4058, 4060, 4071, 4074, 4087-4088, 4094, 4096, 4099, 4113-4115, 4130-4132, 4144-4145, 4163, 4166, 4185, 4194, 4198, 4205, 4218, 4220, 4226, 4248, 4255, 4267, 4269-4270, 4276, 4285, 4300, 4305, 4308, 4320, 4322, 4330, 4333-4334, 4351, 4358, 4361, 4370, 4397, 4400, 4406, 4412, 4423, 4448, 4466, 4470, 4500, 4507-4508, 4525-4526, 4531, 4536, 4548-4549, 4558, 4568, 4588, 4593, 4604, 4608, 4621, 4629, 4634, 4669, 4672, 4681, 4683, 4704, 4706, 4708, 4710, 4716, 4720, 4727, 4729
- PREGNANCY, ABDOMINAL: 1798
- PREGNANCY, ANIMAL: 29, 81, 451, 498, 568, 708, 883, 968, 970, 1319, 1349, 1383, 1575, 1797, 1828, 1856, 1905, 2158, 2293, 2479, 2558, 2575, 2853, 2964, 3215, 3233, 3431, 3584, 3591, 3594, 3738, 3947, 4423, 4557, 4588, 4631
- PREGNANCY COMPLICATIONS: 12, 130, 156, 276, 350, 364, 577, 789, 814, 910, 1135, 1375, 1778, 1920, 2268, 2280, 2433, 2452, 2726, 2742, 2847, 2995, 3018, 3036, 3096, 3773, 3812, 3840, 4131, 4258, 4269, 4397, 4568, 4669
- PREGNANCY COMPLICATIONS, CARDIOVASCULAR: 789, 828, 1166, 1798, 2135, 3812
- PREGNANCY COMPLICATIONS, HEMATOLOGIC: 711, 789, 4621
- PREGNANCY COMPLICATIONS, INFECTIOUS: 1229, 1524, 3267, 3746, 3852, 4621, 4720
- PREGNANCY, ECTOPIC: 35, 317, 825, 1559, 2531, 3639
- PREGNANCY, FIRST TRIMESTER: 86, 492, 676, 1024, 1944, 2015, 2818, 2995, 3639, 3698, 3746, 4058, 4145, 4621
- PREGNANCY IN DIABETES: 789, 2413, 4115, 4270
- PREGNANCY, MULTIPLE: 2293, 3564
- PREGNANCY, PROLONGED: 3079, 3210, 4194, 4269, 4641
- PREGNANCY, SECOND TRIMESTER: 42, 86, 676, 1462, 1601, 1775, 1798, 1965, 2015, 2029, 2268, 2395, 2816, 2896, 3351, 3381, 3591, 3746, 3811, 4054, 4145, 4669
- PREGNANCY TESTS: 386, 507, 1566, 2369, 3639, 4058
- PREGNANCY TESTS, IMMUNOLOGIC: 1, 385
- PREGNANCY, THIRD TRIMESTER: 8, 86, 156, 364, 640, 676, 1375, 1413, 1601, 2015, 2323, 2395, 2742, 2896, 3550, 3878, 3905, 4009, 4034, 4054, 4094, 4145
- PREGNANCY TOXEMIAS: 1083, 1639, 1835, 1887, 3812, 4054-4055
- PREGNANCY, TUBAL: 1726
- PREGNANCY, UNWANTED: 724, 2082, 3043, 3407, 4683
- PREGNANEDIOL: 184, 1342, 1351, 1834, 2210-2211, 2224, 2323, 2396, 2585, 2609, 3075, 3198, 3633, 3878, 4074, 4099, 4339, 4516, 4614
- PREGNANEDIONES: 781, 998, 1414, 1531, 1636, 2043, 2113, 2547, 2760, 3085, 3165, 3440, 3964, 4034, 4060
- PREGNANES: 1531, 1638, 2323, 2662, 2743, 3383, 3451, 3775
- PREGNANETRIOL: 2211, 2609, 4614
- PREGNANOLONE: 1531, 4614
- PREGNANT MARE'S SERUM: 1536, 3361, 3983, 4400
- PREGNATRIENES: 2693
- PREGNENEDIONES: 744, 1686, 3775, 4560, 4718
- PREGNENES: 2438, 3058, 3915, 4006, 4133
- PREGNENOLONE: 135, 212, 675, 888, 1638, 1652, 1709, 1740, 2323, 2338, 3006, 4113, 4133, 4618
- PREGNENOLONE CARBONITRILE: 4102
- PREMARIN: 371, 430, 1001, 1061, 2403, 3825
- PREMEDICATION: 4667
- PREMENSTRUAL TENSION: 341, 869, 2852
- PRENATAL CARE: 789
- PRENATAL DIAGNOSIS: 1, 640, 1166, 1224, 1455, 1775, 2348, 2433, 4270, 4548
- PRENYLAMINE: 1295, 1983
- PREOPERATIVE CARE: 39, 1742, 2181, 2218, 3724, 3785, 3991, 4586-4587, 4667
- PREOPTIC AREA: 521, 623, 1360, 1379, 3185, 4332
- PRESCRIPTION FEES: 1896
- PRESCRIPTIONS: 1896, 2995, 4551
- PRESERVATION, BIOLOGICAL: 78
- PRESERVATIVES, PHARMACEUTICAL: 2147
- PRESSORECEPTORS: 594, 1592, 1651, 1814, 2802
- PRESSURE: 812, 1022, 1175, 2080, 2252, 2362, 2970, 3702, 3834, 4047
- PREVENTIVE HEALTH SERVICES: 1285
- PRILOCAINE: 2080
- PRIMARY HEALTH CARE: 1321
- PRIMATES: 632, 2051, 4699
- PRIMIDONE: 3433
- PRIVATE PRACTICE: 798
- PROADIFEN: 2337, 3528, 3680, 4570
- PROBABILITY: 708, 1702, 1982, 2262, 2923, 3011, 3180, 4391
- PROBENECID: 371, 1058, 2341, 2766, 3846, 3972, 4094
- PROBLEM SOLVING: 129
- PROCAINE: 1683, 3640, 3822
- PROCAINE AMIDE: 123
- PROCARBAZINE: 830, 1974, 2686, 2740, 4374, 4384
- PROCTITIS: 1131
- PROCYCLIDINE: 340
- PROESTRUS: 398, 1467, 1469, 1674, 1854, 1928, 2039, 2115-2116, 2286, 2476, 3014, 3461
- PROFLAVINE: 2882, 3028
- PROGERIA: 1504, 2426, 4265
- PROGESTATIONAL HORMONES: 145, 292, 507, 630, 825, 992, 1255, 1594, 1726, 2008, 2210-2211, 2465, 2585, 2747, 3329, 3418, 3427, 3464, 3771, 3961, 4176
- PROGESTATIONAL HORMONES, SYNTHETIC: 1536, 1732, 1889, 1938, 4560
- PROGESTERONE: 14, 29, 42, 79, 141, 143, 147, 184, 202, 206, 227, 259-260, 341, 350, 371, 397, 403, 415, 440, 451, 468, 492, 525, 549, 580, 604, 620-621, 630, 633, 638, 671, 675, 680, 689, 708, 716, 749, 812, 824, 834, 853, 869, 893, 963, 1001, 1006, 1044, 1046, 1066, 1077, 1124, 1141, 1188, 1259, 1275, 1290-1291, 1304, 1312, 1332, 1349, 1358, 1393, 1399, 1417, 1453, 1566, 1574, 1583, 1638, 1662, 1674, 1703, 1706, 1709, 1732, 1734, 1740-1741, 1768, 1774, 1778, 1805, 1815, 1828, 1854, 1856, 1865-1867, 1878, 1881, 1889, 1897, 1938, 2008, 2010, 2015, 2113, 2120, 2185, 2197, 2232, 2296, 2315, 2323, 2345, 2351, 2369, 2395, 2412, 2448, 2463, 2476, 2479, 2525, 2609, 2631-2632, 2666, 2674, 2687, 2693, 2710, 2723, 2748, 2809-2810, 2817-2818, 2820, 2839, 2853, 2887, 2915, 2935, 2964, 2974, 2986, 2992, 2996, 3019, 3036, 3149, 3188, 3274, 3332-3333, 3361, 3415, 3427, 3431-3432, 3466, 3522-3523, 3548, 3564, 3613, 3633, 3643, 3709, 3716, 3748, 3766, 3797, 3809, 3816, 3822, 3843, 3859, 3910, 3923-3924, 3973, 3975, 3990, 4000, 4010, 4017, 4034, 4060, 4097, 4099, 4113-4114, 4128-4129, 4131, 4161, 4178, 4184, 4226, 4289, 4291, 4294, 4423, 4446, 4451, 4460, 4507, 4516, 4526, 4564, 4571, 4591, 4614-4616, 4618-4619, 4637, 4641, 4681
- PROGESTERONE REDUCTASE: 2113
- PROGNATHISM: 766, 3346
- PROGNOSIS: 4, 72, 98, 233, 435, 831, 868, 1002, 1166, 1239, 1248, 1375, 1409, 1461, 1480, 1682, 1746, 1756, 1920, 1953, 2002, 2057, 2149, 2178, 2343, 2933, 2952, 3030, 3069, 3656, 3764, 3769, 3821, 3991, 4136, 4139, 4311, 4433, 4517, 4694
- PROINSULIN: 3423
- PROLACTIN: 143, 241, 251, 286, 340, 344-345, 406, 464, 571, 615, 661, 686, 712, 748, 752, 810, 832, 834, 883, 905, 922, 1083, 1127, 1266, 1303, 1323, 1327, 1329, 1406, 1453, 1475, 1527, 1629, 1636, 1639, 1650, 1671-1672, 1681, 1714, 1857-1859, 1887, 1891, 1926, 1971-1972, 1977, 2081, 2103, 2115-2117, 2120, 2185, 2248, 2302, 2326, 2388, 2397, 2421, 2475, 2524-2525, 2594, 2619, 2631, 2643, 2650-2651, 2668, 2825, 2967, 2975, 3142, 3408, 3413-3415, 3418, 3431, 3435, 3499, 3533, 3542, 3545, 3584, 3637, 3650-3651, 3747, 3765, 3855, 3877, 3944, 3989, 4057, 4080, 4130, 4166, 4285, 4321, 4357, 4403, 4508, 4633-4634
- PROLACTIN RELEASING HORMONE: 397, 4321
- PROLINE: 711, 840, 1905, 2208, 2616, 2643, 2918, 3569, 4019, 4224
- PROMETHAZINE: 872
- PRONASE: 354, 421, 587, 1077, 3697, 4461
- PROPANE: 3910
- PROPANEDIOLS: 1511
- PROPANIDID: 526, 4102
- PROPANOLAMINES: 418, 2354
- PROPERDIN: 3717
- PROPIONATES: 466, 1023, 1177, 1829, 2789, 3591
- PROPIOPHENONES: 4394
- PROPOXYPHENE: 1896
- PROPRANOLOL: 39, 113, 153, 318, 462, 484, 578-579, 601, 743, 752, 884, 1006, 1058, 1064, 1148, 1151, 1210, 1218, 1288, 1443, 1467, 1588, 1616, 1649, 1687, 1800, 1842, 1933, 1942, 1985, 2006, 2136, 2187, 2237, 2409, 2423, 2435, 2641, 2647-2648, 2705-2706, 2962-2963, 3022, 3063, 3089, 3094, 3178, 3205, 3221-3223, 3485, 3515, 3609, 3652, 3703, 3710-3711, 3794, 3838, 3904, 4007, 4076, 4188, 4236, 4317, 4353, 4436, 4472
- PROPYLAMINE TRANSFERASE: 3040
- PROPYLAMINES: 3534, 4384
- PROPYLTHIOURACIL: 715, 717, 755, 1421, 1697, 1933, 1952, 2447, 2456, 2619, 3139, 3439, 3575, 4408
- PROSPECTIVE STUDIES: 1174, 1397, 1600, 1915, 1965, 3735, 3973
- PROSTAGLANDIN ANTAGONISTS: 245, 743, 872, 1260, 1497, 2354, 2993, 3160, 3204, 3209-3210, 3554, 3930, 4317
- PROSTAGLANDIN SYNTHASE: 46, 1674, 2936, 3604, 3625, 4331
- PROSTAGLANDINS: 15, 46, 75, 85, 166, 226, 245, 278, 294-295, 311, 353, 408, 443, 458, 461, 485, 512, 527, 558, 618, 658, 680, 686, 703-704, 743, 801, 806, 812, 852, 870, 872, 883, 890-891, 901, 928, 941, 945, 990, 1006, 1022, 1024, 1057, 1066, 1089, 1175, 1180, 1221, 1259-1260, 1267, 1278, 1311, 1326, 1358, 1366, 1380, 1462, 1482, 1497, 1554, 1560, 1568-1569, 1582, 1593, 1673-1674, 1676, 1764, 1780, 1788, 1808, 1856, 1935-1936, 1977, 2027, 2048, 2052, 2056, 2083, 2085, 2136, 2203, 2234, 2324, 2329, 2399, 2451, 2470, 2479, 2513-2514, 2592, 2635, 2639, 2641, 2661, 2772, 2785, 2810, 2819-2820, 2893, 2912, 2935, 2949-2950, 2969-2970, 2993, 3034, 3160, 3204-3205, 3209-3210, 3231, 3244, 3257, 3330, 3332, 3381, 3469, 3521, 3554, 3591, 3604, 3611, 3723, 3811, 3815-3816, 3890-3891, 3930, 3935, 3939, 3959, 3983, 3990, 4011, 4048, 4080, 4114, 4131, 4147, 4160, 4203, 4236, 4269, 4314, 4317, 4331, 4356, 4446, 4456, 4496, 4507, 4543, 4545, 4555, 4618, 4681
- PROSTAGLANDINS A: 75, 1058, 1885, 2399, 4317, 4331
- PROSTAGLANDINS E: 28, 75, 171, 206, 278, 285, 335, 459, 1022, 1024, 1058, 1078, 1725, 1898, 2011, 2039, 2195, 2333, 2399, 2419, 2514, 2706, 2785, 2936, 2970, 3034, 3039, 3244, 3330, 3351, 3443, 3544, 3555, 3580, 3625, 4066, 4160, 4214, 4269, 4317, 4542, 4544-4545
- PROSTAGLANDINS F: 28, 42, 75, 171, 278, 285, 604, 633, 671, 890, 1022, 1024, 1058, 1467, 1674, 1805, 1856, 1984, 2008, 2015, 2132, 2195,

SUBJECT INDEX

2232, 2257, 2351, 2399, 2419, 2514, 2539, 2585, 2674, 2785, 2970, 3039, 3211, 3226, 3244, 3300, 3351, 3811, 4160, 4184, 4269, 4294, 4317, 4331, 4507, 4526, 4562, 4619, 4621, 4641
PROSTATE: 222, 233, 236, 239, 306, 399, 423, 773, 1092, 1194, 1221, 1235, 1444, 1892, 1968, 2208, 2274, 2554, 2644, 2656, 3015, 3040, 3240, 3355, 3605, 3788-3789, 4085, 4178, 4181, 4259, 4349, 4393, 4441, 4632, 4650
PROSTATECTOMY: 1297, 2003, 3428
PROSTATIC DISEASES: 1146, 2285
PROSTATIC HYPERTROPHY: 306, 1194, 1221, 1892, 2008, 4650
PROSTATIC NEOPLASMS: 233, 395, 502, 810, 1297, 1313, 1968, 2003, 2161, 2184, 2265, 2554, 2656, 2823, 2988, 3398, 3428, 3605, 3682, 3833, 4349, 4368, 4393, 4433, 4441, 4650, 4689
PROSTATITIS: 1957
PROSTENOIC ACIDS: 2351, 4544-4545, 4562
PROSTHESIS: 3868, 4624
PROTAMINES: 78, 2308, 3513, 3681
PROTECTIVE CLOTHING: 4577
PROTEIN BINDING: 8, 27, 117, 204, 247, 251, 259-260, 264, 287, 298-299, 309, 344, 351, 359, 381, 390, 396, 425, 510, 537, 627, 651, 697, 738, 753, 769, 800, 864, 893, 911, 914, 918, 921, 1046, 1076-1077, 1086-1087, 1141, 1156, 1168, 1194, 1267, 1294, 1347, 1393, 1417, 1422, 1431, 1460, 1482, 1495, 1556, 1581, 1610, 1627, 1668-1670, 1797, 1807, 1844, 1873-1874, 1895, 1897, 1918, 1938, 2018, 2034, 2045, 2047, 2108, 2125, 2128-2129, 2197, 2199, 2223, 2227, 2260, 2266, 2274, 2282, 2296, 2320, 2386, 2407, 2436, 2441, 2445, 2465, 2480, 2484-2485, 2529, 2595, 2652, 2658, 2712, 2795, 2818, 2842, 2887, 3008, 3041, 3045, 3050, 3065, 3074, 3126, 3139, 3184, 3228, 3271, 3360, 3367, 3385, 3416, 3477, 3516, 3532, 3550, 3590, 3600, 3642, 3671, 3685, 3779, 3788, 3819, 3851, 3883, 3897, 3976, 4034, 4060, 4094, 4176, 4214, 4219, 4259, 4319, 4350-4351, 4393, 4449, 4461, 4497-4498, 4511, 4528, 4571
PROTEIN-BOUND IODINE TEST: 39, 273, 328, 372, 622, 634, 648, 755, 784, 1396, 1463, 1658, 1790, 1860, 1868, 1976, 2005, 2222, 2246, 2303, 2496, 2630, 3159, 3359, 3424, 3594, 3774, 3916, 4170, 4397
PROTEIN-CALORIE MALNUTRITION: 1204, 3061, 3849, 3984, 4033, 4306
PROTEIN CONFORMATION: 344-345, 510, 530, 574, 769, 826, 918, 923, 1530, 1581, 1669, 2157, 2199, 2225, 2334, 2386, 2712, 3041, 3516, 3778, 3897, 4124, 4449, 4457, 4511, 4566
PROTEIN DEFICIENCY: 130, 139, 577, 2452, 2790, 3988-3987, 4033, 4168, 4589
PROTEIN DENATURATION: 247, 2386
PROTEIN DISULFIDE REDUCTASE (GLUTATHIONE): 848
PROTEIN HYDROLYSATES: 4165, 4521
PROTEIN KINASE: 146, 157, 264, 322, 380, 727, 790, 796, 981, 994, 1267, 1324, 1571, 1616, 1824, 1873, 1927, 2047, 2105, 2128, 2150, 2176, 2198-2199, 2267, 2308-2309, 2324, 2346, 2552, 2634, 2645, 2990, 3074, 3121, 3174, 3513, 3516, 3543, 3673, 3779, 3795, 3804, 3907, 4084-4085, 4259, 4498, 4618-4619
PROTEIN-LOSING ENTEROPATHIES: 1843
PROTEIN PRECURSORS: 769, 954, 1646, 2712
PROTEINS: 51, 65, 80, 84, 135, 139, 203, 259, 285, 309, 330, 390, 396, 468, 499, 501, 605, 696, 911, 1007, 1038, 1087, 1096, 1168, 1198, 1233, 1246, 1254, 1265, 1271, 1378, 1425, 1480, 1472, 1495, 1530, 1772, 1855, 1900, 1965, 2017, 2045, 2047, 2062, 2108, 2129, 2163, 2189, 2198, 2205, 2318, 2321, 2324, 2332, 2391, 2450, 2476, 2518, 2550, 2563-2564, 2603, 2665, 2729, 2811, 2930, 2933, 2939, 2963, 2980, 3004, 3006, 3151, 3296, 3355, 3369, 3552, 3588, 3685, 3798, 3818, 3912, 3976, 3986, 4023, 4125, 4132, 4195, 4248, 4274, 4281-4282, 4320, 4343, 4421, 4443, 4460, 4519, 4538, 4553, 4564, 4575, 4598, 4696
PROTEINURIA: 925, 2374, 2998, 3208, 3229, 3239, 4115, 4658
PROTEOGLYCANS: 436
PROTEUS: 2166, 2821
PROTEUS MIRABILIS: 2166
PROTEUS VULGARIS: 3893
PROTHROMBIN: 5, 908, 1479
PROTHROMBIN TIME: 2579, 4040
PROTONS: 1784, 2166
PROTOVERATRINE A: 2127

PROTRIPTYLINE: 3534
PRURIGO: 2565
PRURITUS: 1375, 3649
PRURITUS ANI: 59
PRURITUS VULVAE: 59
PSEUDARTHROSIS: 3996
PSEUDOCHOLINESTERASE: 1372
PSEUDOHERMAPHRODITISM: 1177, 1879, 2880, 2784, 3092, 3308, 3397, 3797, 4636
PSEUDOHYPOPARATHYROIDISM: 954, 1226, 1483, 3427, 3688, 4039
PSEUDOMONAS: 224, 1581, 3910, 4453, 4524
PSEUDOMONAS AERUGINOSA: 2166, 2450
PSEUDOMONAS INFECTIONS: 2822, 3281, 3669
PSEUDOPREGNANCY: 143, 708, 1072, 1781, 1828, 1984, 2008, 2687, 2964, 3335, 3361, 4114, 4161, 4729
PSEUDOPSEUDOHYPOPARATHYROIDISM: 1483
PSEUDORABIES VIRUS: 4206
PSORIASIS: 59, 463, 744, 1904, 2655, 2927, 3701, 4004, 4409, 4419, 4577, 4714
PSYCHIATRY, MILITARY: 2852
PSYCHOANALYSIS: 3392, 4698
PSYCHOANALYTIC THEORY: 4698
PSYCHOLOGICAL TESTS: 371, 557, 1340, 1496, 1997, 2137, 2610, 2852, 3390, 4600
PSYCHOLOGICAL THEORY: 625
PSYCHOLOGY: 2421, 3662
PSYCHOLOGY, SOCIAL: 2070
PSYCHOMOTOR DISORDERS: 96, 1508, 2454
PSYCHOPHARMACOLOGY: 3559
PSYCHOPHYSIOLOGIC DISORDERS: 364, 2965, 3390
PSYCHOPHYSIOLOGY: 625, 3159
PSYCHOSES: 178, 413, 1573
PSYCHOSES, MANIC-DEPRESSIVE: 178, 1678, 1913-1914, 2768, 3448
PSYCHOSES, ORGANIC: 3003, 3769, 4576
PSYCHOSES, SENILE: 1862
PSYCHOSES, TOXIC: 3769, 4053
PSYCHOSEXUAL DEVELOPMENT: 87, 2844, 3392, 3733, 4698
PSYCHOSURGERY: 1008, 2022
PSYCHOTHERAPY: 178, 1269, 1612, 3124, 3390, 3392, 4694
PSYCHOTROPIC DRUGS: 241, 1573, 3173, 3602, 3769, 4462
PSYLLIUM: 226
PTERIDINES: 1624
PTEROYL POLYGLUTAMATE HYDROLASE: 2286
PTERYGIUM: 628, 3487, 4483
PUBERTY: 32, 163, 320, 323, 334, 403, 539, 551, 560, 730, 860, 948, 970, 1183, 1340, 1508, 1626, 1636, 1653, 2036, 2224, 2365, 2383, 2403, 2580, 2711, 2774, 2959, 3124, 3150, 3309-3310, 3345, 3425, 3519, 3632, 3695, 3733, 3786, 3920, 4030, 4272, 4284, 4292, 4304, 4315, 4325, 4514, 4679, 4728
PUBERTY, PRECOCIOUS: 906, 1880, 2913, 3241
PUERPERAL DISORDERS: 2902, 4096
PUERPERAL INFECTION: 4308
PUERPERIUM: 853, 1427, 1479, 2039, 2742, 2820, 3233, 3852, 3946, 4130, 4305, 4423, 4634
PULLULANASE: 1869
PULMONARY ALVEOLI: 2112, 4190
PULMONARY ARTERY: 884, 2539, 3451, 4190
PULMONARY CIRCULATION: 501, 1416, 2052, 2539, 2560, 2718
PULMONARY EDEMA: 183, 501, 1472
PULMONARY EMBOLISM: 731, 828, 1157, 1600, 3190, 3462
PULMONARY EMPHYSEMA: 650, 1827
PULMONARY FIBROSIS: 1261, 1500, 3514, 4368
PULMONARY HEART DISEASE: 2075
PULMONARY SURFACTANT: 1224, 1480, 2684, 2939
PULMONARY VEINS: 4190
PULSE: 998, 1155, 1545, 1947, 2281, 2781, 3290, 3383, 3690, 3752, 4533
PUNCTURES: 286, 4642
PUPA: 419, 1171, 3679, 4580
PUPIL: 353, 2945, 3204, 4279
PURINE NUCLEOTIDES: 1197
PURINES: 1245, 2089, 3143, 3154

PURKINJE CELLS: 408, 2898
PURKINJE FIBERS: 3515
PUROMYCIN: 135, 486, 637, 987, 1530, 1816, 1844, 2120, 2476, 2642, 3743, 4086, 4617
PURPURA: 717, 2777, 4040
PURPURA, SCHOENLEIN-HENOCH: 827
PURPURA, THROMBOPENIC: 717, 3035, 3136, 4064, 4342, 4443
PURPURA, THROMBOTIC THROMBOPENIC: 1924, 2053, 4432
PUTAMEN: 1886, 3060, 3291
PUTIDAREDOXIN: 1624
PUTRESCINE: 3040, 3443, 3560-3561, 4166
PYELONEPHRITIS: 240, 1011, 1299, 3333, 4452
PYLORIC ANTRUM: 1256, 2017, 2970, 4440
PYLORUS: 542, 1722, 2494
PYRAZINES: 462, 531, 857
PYRAZOLES: 1449, 1811, 2337, 3932
PYRIDINES: 887, 1529, 3375, 3602, 3910, 3932
PYRIDINIUM COMPOUNDS: 2779
PYRIDINOLCARBAMATE: 871, 3825
PYRIDOSTIGMINE BROMIDE: 3087
PYRIDOXAL PHOSPHATE: 105, 553, 587, 2045, 2417, 3040
PYRIDOXAMINE: 553
PYRIDOXIC ACID: 2417
PYRIDOXINE: 553, 2417, 2682, 3433
PYRIDOXINE DEFICIENCY: 1618, 2417, 2747
PYRILAMINE: 3137
PYRIMIDINES: 462, 1382, 2089, 2162, 2647, 3063, 3143, 3315
PYRITHOXIN: 1811
PYROGENS: 1379, 1764, 2374, 2782, 3257, 4508
PYROPHOSPHATASES: 1877, 3184
PYROPHOSPHATES: 740, 1877, 2306
PYROLES: 353
PYRROLIDINES: 689, 1390, 4671
PYRROLIDINONES: 3482
PYRUVALDEHYDE: 4105
PYRUVATE CARBOXYLASE: 2344, 3184
PYRUVATE DEHYDROGENASE COMPLEX: 1266, 3411, 3770
PYRUVATE KINASE: 275, 1001, 1489, 1635, 3494
PYRUVATES: 930, 1210, 1358, 1735, 1899, 2487, 3260, 3843, 3964, 4026, 4254, 4359

Q

QUADRIPLEGIA: 1654
QUAIL: 352, 357, 1652, 1962, 2301, 2578, 3054, 3344, 3478, 3901
QUALITY CONTROL: 2441
QUANTUM THEORY: 923
QUESTIONNAIRES: 1396, 1896, 3407, 3613
QUINACRINE: 230, 490, 749, 867, 1533, 1851, 2054, 2884
QUINESTROL: 1526, 3032, 4045
QUINGESTANOL: 892, 1342
QUINIDINE: 2298, 2705-2706, 3729
QUININE: 1436, 1578, 2954, 3729
QUINOLINES: 2677, 3602, 4252
QUINOLINIC ACIDS: 4359
QUINOLIZINES: 2807
QUINONES: 750

R

R FACTORS: 1721
RABBITS: 18, 28, 78, 85, 92, 99, 112, 118, 121, 131, 136, 141-143, 148, 195, 206, 247, 259-260, 264, 270, 353, 373, 512, 537, 592, 619, 631, 658, 678, 725, 727, 730, 746, 753, 772, 812, 825, 864, 876, 884, 893-894, 940-941, 1052, 1092, 1127, 1147, 1154, 1180, 1182, 1198, 1200, 1205, 1211, 1231, 1282, 1295, 1304, 1320, 1349, 1362, 1364, 1376, 1384, 1393, 1408, 1415, 1417, 1427, 1438, 1447, 1459, 1482, 1501, 1519, 1548, 1567, 1573, 1595, 1604, 1623, 1627, 1638, 1647, 1651, 1676, 1703, 1716, 1720, 1799, 1817, 1823, 1828, 1867, 1898, 1910, 1955, 1966, 1984-1985, 2048, 2054, 2056, 2063, 2065, 2094, 2097, 2152, 2154, 2156, 2199, 2205, 2219, 2237, 2239, 2310, 2328, 2334, 2366, 2410, 2424, 2436, 2449, 2467, 2482, 2488-2489, 2537, 2561, 2568, 2571, 2587, 2641,

SUBJECT INDEX

2844, 2764, 2768, 2775, 2782, 2802, 2817, 2839, 2848, 2872, 2894, 2909, 2921, 2942, 2946, 2949-2950, 2962, 2972-2975, 2981, 2990, 2993, 2998, 3017, 3020, 3037, 3040, 3047, 3065, 3141, 3168, 3170, 3200, 3231, 3247, 3250, 3274, 3304, 3306, 3333, 3335, 3408, 3410, 3425, 3468, 3477, 3495, 3534, 3541, 3552, 3563, 3573-3574, 3577, 3582, 3587-3588, 3593-3594, 3615, 3636, 3641, 3643, 3653, 3659, 3673, 3675, 3685, 3722, 3791, 3796, 3806, 3813, 3824, 3832, 3835, 3838, 3845, 3876, 3959, 3966, 3972, 4016, 4062, 4117, 4132, 4144, 4162, 4188, 4210, 4226, 4282, 4297, 4350, 4370, 4388, 4395, 4423-4424, 4438, 4473, 4480, 4493, 4508, 4519, 4544, 4554-4555, 4581, 4618, 4627-4628, 4632, 4654, 4708

RABIES VIRUS: 1614

RACIAL STOCKS: 1997, 3186, 3218, 3945

RADIATION: 346

RADIATION CHIMERA: 166, 662, 768, 909, 2101, 2159, 4389, 4628

RADIATION DOSAGE: 293, 740, 1144, 1537, 1724, 1809, 2297, 2567, 3289, 3603

RADIATION EFFECTS: 103-104, 422, 662, 685, 749, 986, 999, 1144, 1563, 1655, 1724, 1804, 1929, 2065, 2530, 2739, 2908, 3197, 3342, 3396, 3595, 3742, 3750, 3831, 3857, 4116, 4427, 4572, 4627, 4674

RADIATION GENETICS: 817, 1537, 3474, 4431

RADIATION INJURIES: 1500, 2908, 3181, 3683, 3698, 4040

RADIATION INJURIES, EXPERIMENTAL: 608, 976, 3974

RADIATION MONITORING: 1724

RADIATION PROTECTION: 346, 2159, 3269, 3683

RADIATION-PROTECTIVE AGENTS: 103-104, 3396, 3831, 3952, 3974, 4394

RADIATION-SENSITIZING AGENTS: 685, 3750

RADICAL NECK DISSECTION: 544, 1930, 3785

RADIO: 4423

RADIO WAVES: 2908

RADIOACTIVE FALLOUT: 1724

RADIOACTIVE TRACERS: 1943

RADIOACTIVITY: 3917

RADIOGRAPHIC IMAGE ENHANCEMENT: 3503

RADIOGRAPHY: 94, 842, 3698

RADIOGRAPHY, DENTAL: 2037

RADIOGRAPHY, PANORAMIC: 2037

RADIOIMMUNOASSAY: 1, 4, 29, 46, 89, 118, 121, 141, 320, 325, 336-337, 357, 360, 372, 384, 423, 430, 510, 536-537, 567-568, 606, 615, 635, 663, 676, 678, 690, 720, 746, 755, 786, 800, 833, 861, 885, 905-906, 921, 977-978, 991, 1022, 1031, 1055-1056, 1061, 1104, 1106, 1168, 1200, 1219, 1253, 1281, 1286-1287, 1289-1291, 1302, 1418, 1423, 1427, 1455, 1458, 1482, 1503, 1517, 1591, 1626-1627, 1646-1647, 1670, 1680, 1853, 1890-1891, 1926, 1934, 1941, 1998, 2004, 2055, 2074, 2084-2085, 2115, 2135, 2149, 2185, 2216, 2241, 2245, 2277, 2300, 2307, 2425, 2441, 2463, 2476, 2480, 2509, 2525, 2528, 2590, 2604, 2630, 2650, 2702-2703, 2723, 2749, 2753, 2762, 2815, 2818, 2831, 2848, 2865-2866, 2871, 2964, 2972, 3023, 3031, 3052, 3083, 3148-3149, 3189, 3216, 3250, 3272, 3308, 3345, 3359, 3379, 3404, 3408, 3414, 3477, 3499, 3509, 3518, 3522-3523, 3532, 3548, 3582, 3604, 3613, 3616, 3626, 3643, 3677, 3719, 3741, 3759, 3765, 3811, 3815-3816, 3836, 3875, 3877, 3950, 3953, 4054, 4079, 4094, 4162, 4202, 4220, 4270, 4285, 4291, 4310, 4331-4332, 4334, 4350, 4354, 4361, 4388, 4424, 4527, 4611, 4616, 4665

RADIOISOTOPE DILUTION TECHNIC: 2408, 4088

RADIOISOTOPE RENOGRAPHY: 2544, 2991, 3170, 3724, 4052

RADIOISOTOPE SCANNING: 127, 148, 305, 412, 446, 517, 740, 757, 875, 915, 929, 937, 959-960, 974, 1002, 1015, 1079, 1084, 1173, 1185, 1223, 1296, 1576, 1679, 1700, 1946, 1951, 1976, 2068, 2077, 2180, 2226, 2289, 2291, 2306, 2439, 2449, 2496, 2617, 2692, 2757, 2862, 2911, 3275, 3297, 3359, 3389, 3439, 3489, 3617, 3724, 3749, 3782, 3799, 3942, 3956, 3967, 4087, 4237, 4469, 4569

RADIOISOTOPE TELETHERAPY: 3683,

3785, 4374

RADIOISOTOPES: 148, 247, 267, 293, 459, 875, 974, 1002, 1297, 1443, 1985, 2032, 2449, 2451, 2920, 3105, 3967

RADIOLIGAND ASSAY: 247, 360, 635, 676, 1030, 1329, 1670, 2108, 2441, 2443, 2632, 2749, 3550, 3639, 3643, 3885, 4111, 4220, 4528

RADIOMETRY: 2180

RADIOTHERAPY: 127, 279, 655, 1013, 1234, 1248, 3069, 3683, 4036, 4697, 4722

RADIOTHERAPY DOSAGE: 289, 591, 1234, 1297, 2181, 2312, 2523, 3237, 3342, 3683, 4118

RADIOTHERAPY, HIGH ENERGY: 591, 3342, 4374

RADIUM: 3799

RADIUS: 728, 1730, 1876, 2280, 2432, 2678, 2985, 3746

RADIUS FRACTURES: 2985

RADON: 428

RAGE: 3502

RAILROADS: 288

RANA CATESBEIANA: 278, 382, 585, 912, 1127, 1416, 3385, 3770, 3778, 3802

RANA ESCULENTA: 855, 1036, 1096, 2572, 2812, 3280, 3377, 4354

RANA PIPIENS: 382, 511, 912, 1054, 2377, 3104

RANA TEMPORARIA: 281, 335, 1673, 2350, 4295

RATS: 22, 25, 27, 34, 55, 58, 61, 63, 66, 69, 73-74, 82, 85, 98, 100, 105, 108, 112, 114, 117, 120-121, 124, 128, 133, 135, 148-149, 161-162, 164, 169, 173, 181, 183, 189, 192, 198-199, 201, 205, 208, 210, 213, 215, 220, 222, 236-237, 239, 242, 245, 253, 258, 266-267, 283, 286-287, 298-299, 303, 307, 310-311, 315, 321-322, 337, 347-348, 355, 357, 363, 375, 382, 388, 390, 396, 399-400, 403-404, 408, 413-414, 418, 421, 423-427, 431-432, 436, 438, 442-444, 450, 475, 480, 482, 485-489, 498, 513-514, 516, 521-522, 533, 545, 549, 553, 561, 575-576, 578-579, 581, 595-596, 601-602, 605-607, 615, 618-619, 621, 623, 637, 648, 651-652, 673, 686, 688, 696-697, 702, 707-708, 714-715, 730, 736, 738, 745, 747, 752, 761, 770, 774, 776, 790, 792, 796, 799, 807, 809, 818, 820, 822, 824-825, 834, 840-841, 843, 848-849, 858, 864-865, 870-873, 877, 882-883, 886, 890-891, 895-896, 900-902, 910, 913-914, 916, 927, 930, 934, 936, 964, 968, 972, 978, 981, 987, 990, 994, 1001, 1004-1005, 1012, 1021, 1023, 1033, 1050, 1055, 1057-1058, 1061, 1064, 1071-1072, 1075-1076, 1088-1087, 1089, 1091, 1097-1098, 1120, 1126, 1134, 1137-1138, 1141, 1147, 1151, 1159, 1172-1173, 1176, 1183-1184, 1186, 1198, 1202-1203, 1205-1206, 1208-1210, 1214, 1218-1219, 1228, 1231, 1233, 1235, 1241, 1263, 1266, 1268, 1282, 1295, 1322-1323, 1325, 1329, 1338, 1341, 1344-1345, 1347, 1349, 1356, 1359-1362, 1364-1365, 1369, 1377-1378, 1382-1383, 1391, 1395, 1399, 1402, 1417, 1426, 1430, 1438, 1440, 1446, 1465, 1469, 1471-1472, 1488, 1492-1493, 1498, 1505-1506, 1512, 1515, 1517, 1521, 1529-1530, 1532, 1544, 1549, 1555, 1557, 1560-1562, 1564, 1569, 1572, 1581, 1583-1584, 1587, 1589, 1593, 1597, 1599, 1602, 1607-1609, 1616-1617, 1619-1621, 1625, 1629, 1633-1634, 1638, 1645, 1651, 1655, 1663, 1667-1668, 1674, 1676, 1684, 1686-1687, 1697, 1706, 1708-1709, 1716, 1722, 1727-1728, 1730, 1735, 1744, 1748, 1754, 1758, 1760, 1770, 1774, 1784, 1787, 1789, 1794-1795, 1801, 1807, 1811-1812, 1815, 1817, 1820, 1822-1824, 1830, 1832, 1838, 1841, 1845-1846, 1855, 1871, 1874, 1881, 1883-1884, 1895, 1899-1900, 1905, 1923, 1925, 1927, 1939, 1942, 1945, 1952, 1955, 1960-1961, 1964, 1970, 1980-1981, 1983, 1991, 2006, 2017, 2028, 2038, 2060, 2062, 2078, 2089, 2093, 2103-2104, 2108-2109, 2115-2118, 2120, 2124, 2128, 2131, 2141-2143, 2150-2151, 2153-2154, 2169, 2172-2174, 2177, 2183, 2190-2191, 2198, 2201, 2203-2204, 2206-2207, 2228, 2233, 2240, 2246, 2250, 2254, 2263, 2266, 2274, 2281, 2286, 2307-2308, 2314-2315, 2320-2321, 2332, 2337-2340, 2344, 2346, 2356, 2359, 2363, 2376, 2381-2382, 2384, 2389, 2391, 2396-2397, 2406-2407, 2419-2420, 2422, 2427-2428, 2431, 2435, 2446-2450, 2452, 2455, 2460-2461, 2474, 2476, 2485-2487, 2492, 2497-2503, 2507, 2509-2510, 2513-2514, 2519, 2524, 2529, 2535-2536, 2540, 2542, 2546-2547,

2550, 2552-2553, 2576, 2592, 2599, 2603, 2612, 2614, 2619, 2625, 2627, 2636, 2642-2644, 2653-2654, 2658, 2664-2666, 2668, 2687-2688, 2710, 2712, 2720, 2724, 2730, 2732, 2757-2737, 2739, 2744-2745, 2750, 2759, 2765, 2778-2780, 2790, 2792, 2807-2808, 2810, 2813, 2816, 2824, 2831, 2837-2838, 2848-2850, 2860-2861, 2865-2866, 2868, 2871, 2873-2874, 2876-2877, 2899, 2906, 2908-2909, 2915, 2924-2926, 2930, 2932, 2934, 2936, 2940, 2943, 2947, 2950, 2954, 2958, 2963, 2967, 2980, 2992, 2994, 2997, 2999, 3002, 3008, 3014-3015, 3017, 3020-3023, 3029, 3032-3033, 3037, 3039-3040, 3044-3045, 3050, 3059, 3064-3067, 3071-3072, 3077, 3089-3090, 3093-3094, 3099, 3108, 3110, 3115, 3121, 3126, 3132, 3139, 3143, 3151-3152, 3157, 3161, 3166-3167, 3177-3178, 3184-3185, 3189, 3193-3194, 3197, 3200, 3202, 3205, 3210, 3220-3221, 3223, 3240, 3274, 3277, 3282, 3294, 3307, 3323-3324, 3326, 3330-3331, 3343, 3345, 3350, 3354-3355, 3357, 3360-3361, 3369-3370, 3372-3373, 3384, 3386, 3388, 3393, 3395, 3400, 3402, 3408, 3411, 3414, 3416, 3422, 3434, 3436, 3443, 3447, 3469, 3476, 3482, 3488, 3494-3496, 3500-3501, 3503-3506, 3510, 3522-3523, 3526, 3528, 3537, 3540, 3553, 3555, 3557-3558, 3567, 3577, 3583-3584, 3595-3596, 3600, 3605, 3607, 3609, 3614-3615, 3618, 3634, 3637-3638, 3641, 3647, 3654, 3668, 3670, 3672, 3695, 3710-3711, 3718, 3720, 3723, 3728, 3738, 3740, 3742-3743, 3748, 3759, 3766-3768, 3770, 3780, 3787-3789, 3796-3797, 3802, 3804, 3813, 3819, 3822-3823, 3838-3839, 3843-3844, 3858, 3860, 3877, 3880, 3882, 3884, 3887, 3892, 3904, 3907, 3909, 3920-3921, 3928, 3932, 3936, 3941, 3948, 3951-3952, 3954, 3958, 3960, 3976, 3978, 3985-3987, 3989, 3997, 4013-4014, 4016, 4020, 4030, 4037-4038, 4042, 4044-4045, 4047, 4062-4063, 4066, 4070, 4080, 4082-4085, 4089, 4092, 4097-4098, 4101, 4108, 4114, 4116, 4120, 4123, 4126, 4128-4129, 4132, 4134, 4140, 4143, 4151, 4156, 4165, 4171-4172, 4178, 4182, 4188, 4193, 4196-4200, 4202, 4206-4207, 4212-4216, 4221-4223, 4234, 4236-4237, 4253, 4261, 4268, 4273, 4276, 4286-4287, 4291, 4297-4298, 4301-4303, 4314, 4318-4319, 4329, 4332, 4340, 4347, 4349, 4355, 4359, 4363-4364, 4375, 4380-4381, 4393, 4411, 4421, 4438-4439, 4448, 4455, 4462, 4471, 4479, 4486-4488, 4493, 4507, 4511-4512, 4515, 4520-4522, 4524, 4535, 4544-4545, 4547, 4553, 4570-4571, 4575, 4581, 4589, 4592-4593, 4606, 4610, 4622-4623, 4630-4631, 4638-4639, 4645, 4661, 4677, 4689

RATS, INBRED F344: 3619

RATS, INBRED LEW: 1486

RATS, INBRED STRAINS: 355, 806, 844-845, 1033, 1119, 1326, 1448, 1569, 2278, 2546, 2623, 2773, 3206, 3386, 3536, 3570, 3591, 3619, 3851, 3894, 4008, 4081, 4509

RAUSCHER VIRUS: 1123, 2297

REACTION TIME: 1820, 3860

RECEPTORS, ADRENERGIC: 45, 153, 217, 522, 752, 1148, 1617, 1651, 1800, 1872, 2354, 2484, 2641, 3160, 3222, 3504, 3710, 3904

RECEPTORS, CHOLINERGIC: 217, 987, 1156, 3160

RECEPTORS, DRUG: 431, 529, 626, 696, 799, 1159, 1263, 1347, 1369, 1480, 1515, 1538, 1572, 1621, 2047, 2128, 2175, 2252, 2260, 2304, 2475, 2652, 2667, 2734, 2947, 2980, 3061, 3138, 3156, 3318, 3604, 3685, 3722, 3795, 4303, 4316, 4407, 4451, 4487, 4497, 4559, 4599

RECEPTORS, HORMONE: 27, 53, 66, 113, 147, 222, 259, 274, 287, 381, 389, 396, 399, 426, 458, 483, 529, 550, 615, 651, 680, 753, 834, 846, 865, 894, 911, 975, 1000, 1036, 1059, 1077, 1086-1087, 1194, 1267, 1288-1289, 1324, 1329, 1424, 1469, 1486, 1521, 1556, 1684, 1725, 1807, 1844-1845, 1881, 1895, 1897, 1938, 1966, 1987-1988, 1995, 2034, 2055, 2108, 2129, 2142, 2227-2228, 2296, 2324-2325, 2397, 2435, 2443-2445, 2465, 2486, 2517, 2529, 2550, 2632, 2636, 2639, 2664, 2744, 2748, 2784, 2795, 2877, 2887, 2943, 3008, 3015, 3045, 3050, 3095, 3126, 3174, 3184, 3271, 3282, 3285, 3423, 3432, 3483, 3531-3532, 3535, 3563, 3679, 3788-3789, 3802, 3819, 3923-3924, 3928, 3953, 3960, 3976, 3978, 4089, 4125, 4147, 4176, 4220, 4318-4319, 4393, 4411, 4460-4461, 4564, 4571, 4581, 4618

RECEPTORS, NEURAL: 2086, 2119, 3497,

SUBJECT INDEX

4117
 RECOMBINATION, GENETIC: 188, 1196, 2478, 2778, 4505
 RECTAL NEOPLASMS: 2891
 RECTUM: 1022, 2040, 2254, 2819, 2950, 4217, 4464
 RECURRENCE: 119, 565, 828, 1105, 1256, 1375, 1432, 1913, 2147, 2264, 2462, 2496, 2573, 2692, 2702, 2952, 3028, 3217, 3366, 3585, 4056, 4311, 4378, 4384, 4396, 4483
 RECURRENT LARYNGEAL NERVE: 1958, 2857, 4173
 REFERRAL AND CONSULTATION: 2852, 3112
 REFLEX: 577, 594, 1545, 2119, 2237, 3204, 3702
 REFLEX, MONOSYNAPTIC: 215
 REFLEX, PUPILLARY: 2126, 4279
 REFLEX SYMPATHETIC DYSTROPHY: 3391
 REFLEX, TENDON: 1790, 2508
 REFRACTORY PERIOD, NEUROLOGIC: 2934, 3515
 REFRIGERATION: 2729
 REGENERATION: 3053, 3147, 3855, 4253
 REGIONAL BLOOD FLOW: 23, 182, 276, 300, 513, 525, 733, 990, 1042, 1111, 1148, 1367, 1606, 1984-1985, 2052, 2080, 2195, 2203, 2237, 2399, 2689, 2781, 2820, 2893, 2966, 3165, 3332, 3429, 3451, 3517, 3625, 3702, 3840, 4052, 4202, 4331, 4463
 REGRESSION: 3124
 REGRESSION ANALYSIS: 221, 3905
 REHABILITATION: 4263
 REHABILITATION, VOCATIONAL: 1827
 REINFORCEMENT (PSYCHOLOGY): 623, 4522
 REINFORCEMENT SCHEDULE: 1379, 3047
 REITER'S DISEASE: 2830, 4565, 4598
 RELAXIN: 536, 708, 973, 1706
 RELIGION: 2082
 RELIGION AND MEDICINE: 1523, 2070
 REMISSION: 72, 308, 392, 524, 1189, 1248, 1450, 1649, 1756, 1868, 1953, 2243, 2271, 2284, 2586, 3096, 3217, 3735, 3886, 4166, 4384, 4577, 4669
 RENAL ARTERY: 647, 733, 758, 1147-1148, 1182, 2331, 2544, 3256, 3363, 3988, 4087, 4473
 RENAL ARTERY OBSTRUCTION: 1278, 2504, 2869, 3256, 3259, 3625
 RENAL ARTERY STENOSIS: 1094, 1443, 2331, 2406, 2504, 2544, 2781, 3256, 3330, 3601
 RENAL OSTEODYSSTROPHY: 326, 376, 668, 673, 954, 1262, 1791, 2079, 2148, 2358, 2855, 3005, 4416, 4503, 4693
 RENAL VEINS: 733, 758, 866, 1094, 1710, 2481, 2544, 3259, 4052, 4100
 RENIN: 4, 23, 177, 182, 270, 283, 337, 355, 400, 484, 508, 601, 733, 758, 868, 924-925, 928, 977-978, 1005, 1011-1012, 1064, 1094, 1112, 1147-1148, 1253, 1443, 1470, 1515, 1606, 1613, 1619, 1641-1642, 1710, 1728, 1847, 1885, 2012, 2016, 2106, 2109, 2165, 2241, 2390, 2395, 2405-2406, 2481, 2504, 2544, 2555, 2590, 2601, 2604, 2647, 2689, 2781, 2794, 2832, 2869, 2874, 2966, 3020-3023, 3031, 3033, 3055, 3063, 3076, 3156, 3163, 3221-3223, 3256, 3259, 3262, 3601, 3611, 3618, 3625-3626, 3652, 3661, 3731, 3736, 3759, 3784, 3812, 3970, 4052, 4067, 4083, 4100, 4132, 4137, 4202, 4331, 4436, 4472-4473, 4476-4478, 4481, 4557, 4703
 REOVIRUS INFECTIONS: 1959
 REOVIRUSES: 1959
 REPRESSION: 3124
 REPRODUCTION: 18, 223, 307, 577, 951, 970, 1052, 1319, 1553, 1782, 1911, 2008, 2370, 2774, 3214, 3280, 3407, 3559, 4005, 4507, 4632, 4634, 4698, 4729
 REPTILES: 2126, 3387
 RESEARCH: 625, 673, 1695, 2059, 3358, 4312
 RESEARCH DESIGN: 1174, 1561, 2415, 3525, 4279, 4516
 RESEARCH SUPPORT: 3525
 RESERPINE: 23, 169, 487-488, 559, 626, 686, 816, 990, 1040, 1151, 1568, 1616-1617, 1842, 1933, 2782, 3032, 3094, 3234-3235, 3273, 3419, 3553, 3881, 3921, 4134, 4197, 4252, 4277
 RESINS, SYNTHETIC: 3933
 RESORCINOLS: 2288
 RESPIRATION: 201, 387, 512, 745, 1638, 1811, 2067, 2126, 2183, 2281, 2336, 2560, 3085, 3383,

3451, 3521, 3662, 4149, 4190, 4353, 4608
 RESPIRATION, ARTIFICIAL: 1224, 1480, 2892, 4663
 RESPIRATORY DISTRESS SYNDROME: 167, 640, 814, 1249, 1261, 1280, 2939, 4280
 RESPIRATORY FUNCTION TESTS: 420, 650, 1827, 2380, 4701
 RESPIRATORY INSUFFICIENCY: 1337, 1480, 1490, 1839, 2026, 2685, 3103, 3190, 3866, 3922, 4663
 RESPIRATORY SYSTEM: 3401
 RESPIRATORY TRACT DISEASES: 2771
 RESPIRATORY TRACT INFECTIONS: 1451, 1666, 3334, 4450
 RESPIRATORY TRACT NEOPLASMS: 3193
 RESPONSE LATENCY: 1071, 3179, 3549, 3596, 3859-3860, 4603
 REST: 2080, 4489
 RESUSCITATION: 255, 1894, 3707
 RETENTION: 540
 RETICULAR FORMATION: 137, 1754, 1886, 2328, 2928, 3291, 3350, 3615, 3791, 3861, 4117, 4121, 4654
 RETICULOCYTES: 772, 2436, 2450, 3552, 3606, 4162
 RETICULOENDOTHELIAL SYSTEM: 347, 2957
 RETICULOENDOTHELIOSIS: 2361, 3312
 RETICULUM: 2805
 RETINA: 592, 619, 832, 1000, 2648, 2882, 4112, 4580, 4657
 RETINAL DEGENERATION: 435, 592
 RETINAL DETACHMENT: 1397
 RETINAL DISEASES: 4, 435, 734, 1397, 4067
 RETINAL PIGMENTS: 832, 3559, 4499, 4657
 RETINAL VESSELS: 3437, 4251
 RETINALDEHYDE: 3065
 RETINITIS: 2462
 RETINITIS PIGMENTOSA: 785
 RETINOBLASTOMA: 4391
 RETINOL: 130, 3065
 RETROGNATHISM: 766
 RETROPERITONEAL NEOPLASMS: 4237
 RETROPERITONEAL SPACE: 2236
 RETROPERITONEUM: 705
 RETROSPECTIVE STUDIES: 473, 756, 814, 1280, 1397, 1756, 1793, 2494, 2580, 2628, 4517, 4685
 REVERSAL LEARNING: 2174
 REVERSE TRANSCRIPTASE: 821, 1316
 REWARD: 1263, 2141, 3047
 RH FACTORS: 711, 3463, 4270
 RHABDOMYOSARCOMA: 2149
 RHEOLOGY: 1829
 RHESUS MONKEYS: 389, 451, 580, 680, 976, 1006, 1585, 1622, 2010, 2187, 2446, 2717, 2768, 3431, 3638, 3825, 4009, 4071, 4218, 4367, 4446, 4557, 4618
 RHEUMATIC FEVER: 956, 2299, 2858
 RHEUMATIC HEART DISEASE: 2858
 RHEUMATISM: 1063, 2080
 RHEUMATOID FACTOR: 168, 1439, 2677, 3684, 4438, 4598
 RHEUMATOID NODULE: 152
 RHINITIS: 3371, 3937
 RHODOPSIN: 3848, 4499
 RHODOSPIRILLUM RUBRUM: 230
 RHODOTRILA: 1019
 RIBOFLAVIN: 30, 130, 593, 2682
 RIBONUCLEASE: 98, 199, 421, 576, 1077, 1119, 2735, 2803-2804, 4461
 RIBONUCLEOTIDES: 1440, 2409, 3369
 RIBOSOMAL PROTEINS: 157, 1530, 1980
 RIBOSOMES: 51, 157, 445, 972, 1198, 1530, 1980, 2033, 2151, 2792, 3369, 3543, 4162, 4205, 4274, 4361, 4471, 4538
 RIBS: 878, 1376, 1992, 3872-3873, 4001
 RICE: 2599, 3193
 RICINUS: 359
 RICKETS: 1333, 1705, 1837, 1876, 1956, 2495, 2515, 2902, 3024, 3323-3324, 3668, 3713, 3849, 4155, 4306, 4416, 4693
 RICKETS, VITAMIN D RESISTANT: 204, 954, 2515, 2660, 4693
 RICKETTSIA: 168
 RIFAMPIN: 429, 724, 1816, 2416, 3243, 3316
 RISK: 495, 2671-2672, 3043, 3786, 3800, 4040
 RISTOCETIN: 301, 1385, 1567
 RNA: 98, 143, 194, 236, 239, 307, 330, 390, 421, 425, 486, 499, 902, 1115, 1119, 1245, 1277,

1425, 1530, 1599, 1604, 1609, 1706, 1962, 2017, 2163, 2182, 2251, 2476, 2536, 2563, 2758, 2764, 2804, 2811, 2882, 2898, 2973, 3040, 3240, 3319, 3355, 3429, 3504, 3754, 3839, 3912, 3986-3987, 4092, 4114, 4166, 4512, 4538, 4610
 RNA, BACTERIAL: 338, 627
 RNA, MESSENGER: 51, 338, 381, 627, 821, 1533-1534, 2151, 2644, 2755, 2939, 3369, 3395, 3496, 3552, 3718, 4013-4014, 4610
 RNA, NEOPLASM: 1274, 3808
 RNA POLYMERASE: 181, 381, 2526, 3240, 3496
 RNA, RIBOSOMAL: 51, 821, 903, 1198, 4538
 RNA, TRANSFER: 138, 199, 257, 637, 2151, 3389, 3488, 3552, 3718, 3802, 4162
 RNA, TRANSFER, METHYLTRANSFERASES: 1392, 2154, 3502
 RNA, VIRAL: 1392
 RO 20-1724: 847
 RODENT CONTROL: 4677
 RODENT DISEASES: 3619, 4302, 4602
 RODENTICIDES: 4677
 RODENTS: 189, 252, 951, 1115, 2285, 2411, 3754, 4042, 4337
 RODS AND CONES: 1769, 4499
 ROLE: 625, 2610, 3080
 ROOT CANAL THERAPY: 2821
 ROSANILINE DYES: 2288
 ROTENONE: 730, 3056, 4097
 ROUS SARCOMA VIRUS: 83
 RUBBER: 115
 RUBELLA: 1135, 3267, 3746, 4621
 RUBIDIUM: 4097
 RUMEN: 555, 570, 603, 1067, 1292, 1829, 2805, 3287, 4088
 RUPTURE: 2597, 3732
 RUPTURE, SPONTANEOUS: 70, 3446, 3455, 4579
 RURAL HEALTH: 2071
 RURAL POPULATION: 683, 1117, 2070, 2211, 2523, 2968, 3232
 RUTHENIUM: 368, 1205, 3966
 RUTHENIUM RED: 3966
 RUTIN: 1275, 2087

S

SACCHAROMYCES: 1019, 3750
 SACCHAROMYCES CEREVISIAE: 138, 180, 235, 1877, 3674
 SACCHAROPINE: 1294
 SACRUM: 2413
 SAFETY: 4728
 SALAMANDERS: 402, 675, 832, 3855
 SALICYLATES: 725, 1322, 1449, 1624
 SALICYLAZOLUSULFAPYRIDINE: 312, 4299
 SALICYLIC ACIDS: 308, 1632, 2655
 SALINE SOLUTION, HYPERTONIC: 53-54, 1351
 SALIVA: 256, 1946, 2368, 2374, 2542, 2564, 2665, 2790, 2878, 2890, 3617, 3796, 4127, 4146
 SALIVARY DUCT CALCULI: 1818
 SALIVARY GLAND DISEASES: 2646
 SALIVARY GLAND NEOPLASMS: 783, 2911, 4326
 SALIVARY GLANDS: 188, 329, 418, 1946, 2110, 2251, 2542, 3353, 3373, 3531, 3796, 4505
 SALIVATION: 1946, 2335
 SALMON: 147, 2392, 3681
 SALMONELLA: 1730, 1816, 2166, 2400, 2782, 3257, 4594
 SALMONELLA INFECTIONS: 976, 1119
 SALMONELLA TYPHIMURIUM: 677, 976, 3100, 4466
 SALMONIDAE: 833, 1491, 1580, 2196, 4112
 SALPINGITIS: 1559, 4729
 SALT GLAND: 53, 4125
 SAMPLING STUDIES: 3311, 3556, 3898
 SAPHEOUS VEIN: 491, 1497, 1568, 2544, 2869, 3215, 4294
 SARCOIDOSIS: 1717, 1751, 1839, 1946, 2215, 2660, 3667, 4238
 SARCOLEMMMA: 1205-1206, 1785
 SARCOMA: 428, 523, 783, 1078, 2343, 2693, 3448, 3656, 4326
 SARCOMA 180, CROCKER: 807
 SARCOMA, EXPERIMENTAL: 100, 645, 1123, 1657, 2266, 2693, 2700

SUBJECT INDEX

- SARCOMA, OSTEOGENIC: 151, 1950, 2095, 2495, 2628, 2700, 2911, 3266, 3714, 4118-4119, 4326
- SARCOMA, RETICULUM CELL: 915, 1201, 2284, 4041
- SARCOMA, YOSHIDA: 2824
- SARCOPLASMIC RETICULUM: 631, 633, 805, 1206, 1211, 1415, 1597, 2105, 2334, 2625, 3573, 4457
- SARCOSINE: 2804
- 1-SARCOSINE-8-ALANINE ANGIOTENSIN II: 601, 3021, 3222, 4052
- SATIATION: 623, 1071, 1492, 2315
- SATIETY RESPONSE: 4559
- SCANDIUM: 1985
- SCAPULA: 2221, 2439, 3487
- SCATTERING, RADIATION: 3269, 3318
- SCHISTOSOMA MANSONI: 3491, 4015
- SCHISTOSOMIASIS: 140, 4015
- SCHIZOID PERSONALITY: 4422
- SCHIZOPHRENIA: 178, 196, 218, 626, 1369, 1503, 3060, 3412, 4576, 4635
- SCHOOLS: 4679
- SCIATIC NERVE: 1390, 1780, 2328, 2614, 3077, 3596, 4575
- SCINTILLATION COUNTERS: 247, 2567, 3052
- SCLERA: 1736, 2094, 3969
- SCLERODERMA, CIRCUMSCRIBED: 2087
- SCLERODERMA, SYSTEMIC: 1921, 2527, 4410
- SCLEROSING SOLUTIONS: 491
- SCLEROSIS: 343, 2161
- SCOLIOSIS: 2196, 2788, 3101, 3487, 4246, 4495
- SCOPOLAMINE: 177, 3469
- SCOTOMA: 734
- SCROTUM: 59, 131, 532, 2599, 3914, 4495
- SEA URCHINS: 477, 3211, 3373
- SEALS: 3145, 3938
- SEASONS: 3, 189, 206, 256, 560, 585, 951, 956, 970, 988, 1038, 1065, 1303, 1511, 1688, 2000, 2411, 2789, 2831, 2840, 2962, 2979, 3409, 3432, 3559, 3564, 3754, 3805, 3938, 4240, 4295, 4334-4335, 4546, 4616
- SEAWATER: 477, 1858-1859, 2530, 3129
- SEBACEOUS GLANDS: 681, 792, 1815, 3962, 4178
- SEBORRHEA: 59, 4577
- SEBUM: 1815, 4178
- SECOSTEROIDS: 1113, 2862
- SECRETIN: 980, 1002, 1218, 2143, 4195
- SECRETORY RATE: 74, 285, 336, 978, 1084, 1138, 1187, 1291, 1722, 2747, 2810, 3002, 3364, 3461, 3510, 3522, 3796, 3944, 3970, 3989, 4107, 4195, 4403
- SEEDS: 359, 2679, 2774
- SELECTION (GENETICS): 1403, 2014, 2923, 3564, 3847
- SELENIUM: 247, 584, 696-697, 750, 1002, 1028, 3286, 4256
- SELF ASSESSMENT: 341, 3886
- SELF CONCEPT: 1269
- SELF MEDICATION: 524, 4659
- SELF MUTILATION: 1442, 1798, 2916
- SELF PERCEPTION: 2610
- SELF STIMULATION: 487, 1050, 1072, 1263, 1369, 2022, 4462, 4522
- SELLA TURCICA: 565, 712, 1499, 2771, 3191, 3305, 4231, 4484, 4490, 4633, 4642
- SEMEN: 28, 172, 499, 773, 970, 1523, 2349, 2735, 3480, 3891
- SEMINAL VESICLES: 171, 951, 1134, 1235, 2014, 2208, 2274, 2382, 2451, 2837, 3240, 3355, 4178, 4181, 4358, 4506, 4632
- SEMINIFEROUS EPITHELIUM: 480, 1589
- SEMINIFEROUS TUBULES: 3, 482, 1644, 1932, 2826, 3395, 3908
- SENDAI VIRUS: 2170, 3267
- SENECIO: 2127
- SENSATION: 3559
- SEPHAROSE: 1086, 2842, 3590
- SEPTAL NUCLEI: 2759
- SEPTICEMIA: 842, 1520, 1577
- SEPTUM PELLUCIDUM: 1208, 2239, 2667, 2928, 3047, 3298, 3682, 4637
- SERINE: 80, 157, 1735, 1899, 3508, 4165
- SERINE DEHYDRATASE: 2930
- SERODIAGNOSIS: 1081
- SEROTHERAPY: 3239
- SEROTONIN: 23, 61, 128, 136, 173, 193, 215-216, 218, 250, 255, 294, 316, 321, 329, 331, 333, 342, 357, 391, 413, 442, 455, 469, 475, 481, 487, 501, 522, 540-541, 545, 596, 602, 620, 626, 642, 649, 652, 685, 714, 732, 761, 799, 803, 806, 816, 844, 850, 872, 884, 932, 934, 940, 995-996, 1182, 1320, 1322, 1325-1326, 1338, 1351, 1361, 1363, 1446, 1529, 1538, 1541, 1549, 1561-1562, 1564, 1567, 1596, 1695, 1699, 1711, 1787, 1812, 1820, 1831, 1838, 1841, 1852, 1886, 1939, 2038, 2084, 2174, 2187, 2195, 2223, 2263, 2276, 2304, 2333, 2341, 2372, 2376, 2410, 2428, 2431, 2488-2489, 2539, 2546, 2553, 2561, 2576, 2632, 2640, 2661, 2667, 2681, 2696, 2719, 2746, 2766, 2780, 2782, 2806, 2819, 2861, 2864, 2868, 2921, 2948, 2999, 3059-3060, 3147, 3197, 3203, 3235, 3273, 3331, 3350, 3353, 3373, 3386, 3410, 3412, 3419, 3434, 3445, 3485-3486, 3491, 3504, 3527-3528, 3534, 3541, 3553, 3568, 3572, 3574, 3577, 3597, 3608-3609, 3611, 3614, 3645, 3648, 3674, 3676, 3781, 3820, 3846, 3856, 3882, 3936, 3952, 3954, 3974, 4012, 4022, 4064, 4105, 4108, 4121, 4134, 4197, 4206, 4210, 4222-4223, 4252, 4277, 4303, 4306, 4373, 4375, 4394-4395, 4430, 4463, 4482, 4487, 4496, 4544, 4554, 4575, 4582, 4589, 4705
- SEROTYPING: 3592
- SERRATIA MARCESCENS: 2166, 3587
- SERTOLI CELLS: 3, 916, 1027, 1475, 1655, 2153, 2161, 2562, 2664, 3037, 3354, 3715, 4016, 4235, 4323, 4379
- SERUM ALBUMIN: 38, 316, 569, 600, 791, 1254, 1684, 1741, 1918, 2125, 2146, 2197, 2842, 2960, 3864, 4208, 4627-4628
- SERUM ALBUMIN, BOVINE: 885, 913, 921, 1200, 1797, 1805, 1823, 2056, 2120, 2197, 2305, 2480, 2676, 3041, 3306, 3643, 3692, 4013, 4594, 4627
- SERUM ALBUMIN, RADIO-IODINATED: 1443, 3356
- SERUM GLOBULINS: 1684, 1797, 2146
- SERYL T RNA SYNTHETASE: 257
- SESAMOID BONES: 1093
- SESQUITERPENES: 739
- SEX: 1721, 2460, 2610
- SEX BEHAVIOR: 1340, 1731, 3339, 4289
- SEX BEHAVIOR, ANIMAL: 18, 28, 125, 220, 223, 249, 438, 498, 714, 1319, 1532, 1688, 2008, 2098, 2315, 2789, 2915, 2967, 2996, 3152, 3179, 3225, 3427, 3620, 3695, 3919, 3995, 4140, 4330, 4637
- SEX CHARACTERISTICS: 397, 1511, 1644, 2381-2382, 3377, 4272, 4315, 4620
- SEX CHROMATIN: 233, 383, 1114-1115, 1293, 1989, 2251, 2523, 2898, 3206, 3339, 3452, 3454, 3460, 4420, 4662
- SEX CHROMOSOME ABNORMALITIES: 172, 454, 490, 625, 813, 1114, 1289, 1775, 1864, 1967, 2020, 2454, 2657, 3460, 3659, 4247, 4322, 4420, 4422, 4548, 4563
- SEX CHROMOSOMES: 126, 172, 188, 208, 232, 319, 349, 583, 583, 687, 760, 813, 815, 867, 889, 939, 1114-1115, 1181, 1196, 1207, 1225, 1231, 1293, 1310, 1330, 1343, 1403-1404, 1407, 1434, 1456, 1496, 1533-1534, 1537, 1553, 1691, 1702, 1733, 1776, 1851, 1863, 1919, 1997, 2054, 2110, 2262, 2297, 2373, 2415, 2472, 2478, 2520, 2630, 2784, 2797, 2884, 2905, 2923, 2959, 2968, 3011, 3180, 3199, 3230, 3289, 3336, 3397, 3452, 3460, 3474, 3659, 3753, 3847, 3949, 3962, 4029, 4035, 4061, 4191, 4204, 4371, 4385, 4391, 4401, 4431, 4505, 4537, 4561, 4572, 4578, 4596, 4600, 4620, 4656, 4685
- SEX DETERMINATION: 477, 639, 687, 939, 1061, 1455, 1775, 1967, 1982, 2254, 2348, 2548, 2708, 2844, 3080, 3232, 3397, 4044, 4061, 4191, 4470, 4656
- SEX DEVIATION: 1008
- SEX DIFFERENTIATION: 31, 257, 2773, 2967, 3377, 3387, 3427, 4042
- SEX DIFFERENTIATION DISORDERS: 939, 2578, 4401
- SEX DISORDERS: 773, 1957, 3556
- SEX EDUCATION: 3407, 3733
- SEX FACTORS: 4, 40, 175, 186, 220, 229, 233, 401, 403, 423, 586, 625, 682, 694, 734, 762, 783, 919, 956, 1035, 1055-1056, 1157, 1183, 1192, 1204, 1448, 1496, 1541, 1574, 1584, 1596, 1634, 1667, 1679, 1688, 1690, 1733, 1756, 1776, 1779, 1913, 1997, 2000, 2117, 2146, 2165, 2278, 2285, 2332, 2415, 2542, 2589, 2605, 2610-2611, 2745, 2752, 2812, 2815, 2855, 2876, 2898, 2996, 3111, 3114, 3177, 3179, 3186, 3333, 3359, 3386, 3427, 3436, 3469, 3478, 3491, 3553, 3589, 3621-3622, 3632, 3695, 3753, 3786, 3863, 3920, 3945, 3949, 3973, 3984, 4024, 4126, 4187, 4292, 4347, 4384, 4393, 4397, 4444, 4492, 4509, 4556, 4600, 4674
- SEX HORMONES: 147, 202-203, 257, 1007, 1283, 1359, 1419, 1968, 2996, 3009, 3179, 3270, 3531, 3660, 3766, 3975, 4028, 4176, 4328, 4347, 4516
- SEX MATURATION: 3, 18, 893, 919, 986, 1302, 2562, 3233, 3901, 3926, 3928, 3962, 4272
- SEX OFFENSES: 1008
- SEX RATIO: 1702, 1982, 2415, 2628, 4400, 4470
- SEX REVERSAL, GONADAL: 1652, 2845
- SEXUAL ABSTINENCE: 2683
- SHARKS: 1111, 3034, 3722, 4091
- SHEEHAN'S SYNDROME: 2249
- SHEEP: 121, 241, 251, 300, 337, 345, 374, 387, 472, 501, 525, 536, 620, 645, 662, 671, 680-681, 693, 741, 768, 795, 851, 909, 922, 963, 1045, 1067, 1127, 1255, 1292, 1303, 1308, 1329, 1346, 1368, 1475, 1509, 1638, 1695, 1703, 1732, 1734, 1738, 1743, 1810, 1829, 1937, 1973, 1977, 1995, 2027, 2033, 2051-2052, 2099, 2101, 2170, 2173, 2400, 2450, 2468, 2479-2480, 2557, 2582, 2618, 2709, 2756, 2820, 2842, 2853, 2871, 2878-2879, 2883, 3213, 3216, 3226, 3242, 3252, 3257, 3263-3264, 3286-3287, 3300, 3337, 3356, 3360, 3408, 3429, 3461, 3517, 3584, 3737, 3835, 3850, 3871, 3893, 3947, 3989-3990, 3999, 4006, 4094, 4166, 4185, 4203, 4221, 4232, 4294, 4294, 4358, 4392, 4438, 4465, 4507, 4558, 4594, 4616
- SHEEP DISEASES: 1937, 2618, 3213, 3242, 3286, 3409
- SHIGELLA DYSENTERIAE: 899
- SHIGELLA SONNEI: 2166
- SHIVERING: 1360, 1379, 4464
- SHOCK: 318, 1480, 1699, 3010, 3568, 4053
- SHOCK, CARDIOGENIC: 3010, 4640, 4721
- SHOCK, ENDOTOXIC: 1184, 2560, 3010
- SHOCK, HEMORRHAGIC: 2919, 3042
- SHOCK, SURGICAL: 64, 1480
- SHOCK THERAPY, ELECTRIC: 802, 4682
- SHOCK, TOXIC: 3010
- SHOCK, TRAUMATIC: 1480, 3190
- SHOULDER: 2080, 3585, 4280, 4489
- SHOULDER DISLOCATION: 1003, 1779
- SHOULDER JOINT: 2221, 3640
- SIALIC ACIDS: 287, 1567, 2158, 2518, 3313, 3355, 3873, 4309
- SIALYLTRANSFERASE: 1772
- SIBLING RELATIONS: 3124
- SICKLE CELL TRAIT: 1793
- SIDEROSIS: 1648
- SIGMOID: 723
- SIGMOID NEOPLASMS: 502
- SILAGE: 570, 1394, 1996, 2833, 3287
- SILICA: 302, 997, 3890-3891, 4208, 4614
- SILICIC ACID: 2509
- SILICON: 2446
- SILICONE ELASTOMERS: 689, 3933
- SILICONES: 59, 3591
- SILKWORMS: 4061
- SILVER: 148, 2863
- SIMETHICONE: 59
- SIMMONDS' DISEASE: 377, 552, 3879
- SINGLE PERSON: 2082, 2683
- SINO-ATRIAL NODE: 1464
- SINUSITIS: 2771
- SJOGREN'S SYNDROME: 1946, 4410
- SKELETON: 1344
- SKIN: 79, 176, 311, 373, 645, 662, 681, 694, 774, 827, 880, 914, 1036, 1038, 1080, 1162, 1201, 1341, 1365, 1504, 1560, 1590, 1666, 1673, 1844, 1848, 1904, 2129, 2155, 2175, 2200, 2237, 2319, 2464, 2567, 2586, 2599, 2603, 2614, 2656, 2707, 2712, 2901, 3045, 3158, 3206, 3288, 3342, 3352, 3401, 3648, 3659, 3662, 3761, 3818, 3857, 3912, 3925, 4053, 4122, 4340, 4409, 4438, 4459, 4480, 4560, 4653
- SKIN ABSORPTION: 1819, 2087, 2177, 4691
- SKIN DISEASES: 43, 59, 111, 190, 907, 982, 1696, 1698, 1848, 2063, 2164, 2177, 2718, 2888, 2927, 4053, 4443, 4714, 4718
- SKIN DISEASES, INFECTIOUS: 4206
- SKIN MANIFESTATIONS: 613, 1201, 3749, 4490
- SKIN NEOPLASMS: 190, 1201, 2843, 2867, 3105, 3111, 3342, 3619, 4018, 4326, 4418

SUBJECT INDEX

- SKIN PIGMENTATION: 1458, 2558, 4514
SKIN TEMPERATURE: 4356
SKIN TESTS: 316, 677, 2933, 3667, 4183, 4324, 4530
SKIN ULCER: 311
SKULL: 94, 147, 1771, 1826, 2259, 2347, 2426, 2473, 2951, 3276, 3487, 4231, 4247, 4484, 4539, 4550
SKULL FRACTURES: 1185, 2770
SKULL NEOPLASMS: 132, 4633
SKUNKS: 639
SLEEP: 336, 464, 488, 1187, 2187, 2277, 2651, 3150, 3545, 3559, 3620-3621, 4102, 4357, 4481
SLEEP DISORDERS: 371, 1187, 3621, 4399
SLEEP, REM: 996, 1155, 3621
SLEEP STAGES: 336, 371, 995, 1187, 3291
SLIME MOLDS: 3493
SMELL: 95-96, 303, 745, 2000, 3414, 4173
SMOKE: 548
SMOKING: 1229, 2421, 2671, 2995, 3128, 3477, 3539, 3730, 3800
SNAILS: 198, 209, 331, 1511, 1591
SNAKE VENOMS: 576, 1802
SNAKES: 1258, 4170
SOAPS: 2166
SOCIAL ADJUSTMENT: 1240, 1386
SOCIAL BEHAVIOR: 470, 919, 1126, 1269, 3620
SOCIAL BEHAVIOR DISORDERS: 2022
SOCIAL CLASS: 593, 4372
SOCIAL DOMINANCE: 1688
SOCIAL ENVIRONMENT: 625
SOCIAL ISOLATION: 471, 1359, 2452, 3179, 3786
SOCIAL SECURITY: 1285
SOCIAL SERVICE, PSYCHIATRIC: 1269
SOCIALIZATION: 2844
SOCIETIES, MEDICAL: 4698
SOCIOECONOMIC FACTORS: 30, 130, 1229, 1280, 1524, 1947, 2082, 2280, 3407, 3863
SOCIOPATHIC PERSONALITY: 1251
SODIUM: 2, 13, 84, 133, 177, 231, 256, 296, 335, 355, 365, 394, 397, 400, 431, 447, 459, 470, 484, 590, 733, 805, 852, 857, 892, 1112, 1128, 1131, 1137, 1148, 1155, 1178, 1205, 1232, 1339, 1358, 1415-1416, 1599, 1645, 1665, 1693, 1707, 1727-1728, 1742, 1797, 1840, 1885, 2016, 2046, 2086, 2143, 2203, 2250, 2267, 2359, 2387, 2399, 2405-2406, 2447, 2451, 2504, 2534, 2545, 2550, 2590, 2604, 2616, 2676, 2682, 2689, 2706, 2727, 2729, 2751, 2781, 2794, 2832, 2860, 2874, 2878, 2883, 2899, 2954, 2994, 3031, 3055, 3063, 3072, 3129, 3163, 3185, 3292-3293, 3295, 3330, 3343, 3490, 3506, 3601, 3663, 3691, 3722, 3731, 3751, 3784, 3796, 3818, 3850, 3853, 3958-3959, 3970, 4011, 4097, 4179, 4202, 4209, 4217, 4412, 4436-4437, 4472, 4481, 4571, 4581, 4659
SODIUM CHLORIDE: 108, 138, 181, 352, 733, 790, 924, 942, 981, 1443, 1488, 1513, 1564, 1615, 1871, 2080, 2225, 2326, 2461, 2643, 2786, 2813, 2883, 3055, 3308, 3361, 3501, 3811, 3907, 3976, 3978, 4202, 4533
SODIUM DODECYL SULFATE: 480, 836, 1188, 2586, 3095, 3675, 3685
SODIUM ETIDRONATE: 989
SODIUM GLUTAMATE: 3480, 4009, 4165
SODIUM HYDROXIDE: 3287
SODIUM ISOTOPES: 2451
SODIUM RADIOISOTOPES: 2, 459
SODIUM SALICYLATE: 491, 3468
SODIUM TETRADECYL SULFATES: 491
SOIL: 3286, 4523
SOLUBILITY: 6, 227, 345, 359, 823, 867, 923, 1087, 1369, 1874, 1923, 1994, 2177, 2225, 2241, 2445, 2652, 2785, 3095, 3296, 3543, 4098, 4360, 4527
SOLUTIONS: 530, 538, 923, 1994, 2543, 2730, 3692
SOLVENTS: 356, 873, 2743, 2918, 3095, 3891, 4079, 4521
SOMATOMEDIN: 281, 902, 1323
SOMATOSENSORY CORTEX: 137, 942, 3596
SOMATOTROPIN: 36, 60, 63, 105, 251, 286, 323, 344, 379, 395, 401, 443, 449, 467, 472, 506, 554, 571, 589, 628-629, 634, 644, 715, 718, 725, 737, 746, 761, 766, 774, 846, 858, 892, 922, 958, 1007, 1073, 1187, 1192, 1199, 1222, 1235, 1253, 1283, 1300, 1323, 1374, 1401, 1427, 1453, 1477, 1611, 1636, 1660, 1671, 1681, 1714, 1853, 2031-2032, 2069, 2103, 2250, 2325-2326, 2329, 2512, 2524, 2628, 2651, 2698, 2720, 2747, 2791, 2825, 2897, 2944, 3038, 3108, 3130, 3151, 3192, 3408, 3453, 3466, 3532-3533, 3550, 3637, 3677, 3697, 3858, 3882, 3897, 3944, 3957, 3989, 4036, 4077, 4080, 4101, 4107, 4147, 4190, 4231, 4281, 4285, 4314, 4321, 4611, 4633, 4666
SOMATOTROPIN RELEASE INHIBITING HORMONE: 121, 521, 922, 1199, 1477, 3637, 4199, 4283
SOMATOTROPIN RELEASING HORMONE: 3989, 4057
SONICATION: 3151, 3166, 4457
SORBITOL: 3972, 4597
SOY BEANS: 207, 2228, 2459, 2676, 2679
SPACE FLIGHT: 2387
SPACE PERCEPTION: 1496, 1997, 4600
SPARTEINE: 2127
SPATIAL BEHAVIOR: 1688
SPECIES SPECIFICITY: 7, 19, 38, 112, 165, 218, 223-224, 230, 252, 344-345, 381-382, 408, 471, 498, 536, 541, 693, 727, 864, 902, 970, 975, 1028, 1268, 1344, 1459, 1591, 1647, 1652, 1720, 1764, 1817, 1822-1823, 1877, 2005, 2122, 2148, 2157, 2293, 2311, 2393, 2396, 2446, 2464, 2557, 2648, 2734, 2756, 2816, 2915, 2947, 3037, 3045, 3086, 3316, 3360, 3373, 3408, 3431, 3543, 3559, 3578, 3602, 3742, 3775, 3835, 3838, 4035, 4071, 4185, 4206, 4229, 4391, 4493, 4524, 4556, 4597
SPECIFIC GRAVITY: 1155
SPECIMEN HANDLING: 454, 694, 1104, 2387, 2656, 2729, 3983
SPECTROMETRY, FLUORESCENCE: 173, 230, 331, 344-345, 362-363, 421, 684, 1314, 1540, 1830, 1908, 2225, 2424, 3318, 3488, 3745, 3936, 4080, 4204, 4275, 4498, 4582, 4665
SPECTROMETRY, GAMMA: 1373
SPECTROPHOTOMETRY: 750, 983, 1171, 1314, 1350, 1505, 1581, 1669, 1777, 1801, 2396, 2401, 2863, 3350, 3754, 3848, 4301, 4511
SPECTROPHOTOMETRY, ATOMIC ABSORPTION: 25, 52, 180, 186, 590, 1625, 4081
SPECTROPHOTOMETRY, INFRARED: 15, 716, 3141, 3915, 4340, 4614
SPECTROPHOTOMETRY, ULTRAVIOLET: 15, 138, 344-345, 716, 1046, 1294, 1314, 1550, 1669, 2386, 2785, 3034, 3041, 3062, 4060, 4124
SPECTRUM ANALYSIS: 760, 832, 1634, 1909, 2446, 3666
SPECTRUM ANALYSIS, MASS: 15, 24, 198, 384, 652, 819, 890, 1874, 2256, 2380, 2488, 2507, 2662, 2953, 3034, 3081, 3313, 3465, 3604, 3759, 3775, 4034, 4340
SPEECH: 1463
SPEECH DISORDERS: 1666, 1958
SPERM AGGLUTINATION: 44
SPERM CAPACITATION: 225, 272, 2729, 3835
SPERM HEAD: 563, 1702, 2763, 3655
SPERM IMMOBILIZING AGENTS: 44
SPERM MOTILITY: 773, 2751, 2768, 2941, 3480
SPERM TAIL: 563, 3655
SPERM TRANSPORT: 708, 4392
SPERMATIC CORD: 1244, 3834, 4015
SPERMATIC CORD TORSION: 4468
SPERMATIDS: 1702, 2014, 2163, 2763, 3180
SPERMATOCYTES: 209, 916, 2763, 4385
SPERMATOGENESIS: 3, 116, 172, 474, 482, 563, 860, 913, 916, 948, 951, 979, 1021, 1055, 1207, 1395, 1511, 1563, 1589, 1702, 2153, 2163, 2349, 2483, 2542, 2763, 2769, 2941, 3125, 3180, 3354-3355, 3583, 3655, 3715, 3792, 3938, 4295, 4391, 4686, 4726
SPERMATOGENIA: 916, 1563, 2763
SPERMATOZOA: 3, 18, 44, 116, 172, 225, 272, 482, 499, 563, 708, 773, 916, 1082, 1181, 1231, 1494, 1702, 1732, 2014, 2153, 2163, 2398, 2483, 2520, 2729, 2751, 2768, 2941, 3180, 3189, 3300, 3497, 3655, 3681, 3834-3835, 3908, 4016, 4046, 4191, 4392, 4400, 4708
SPERMIDINE: 3040, 3580-3581, 3743, 4166
SPERMINE: 2529, 3040, 3580-3581, 4166, 4172
SPHENOID BONE: 565, 1185
SPHENOID SINUS: 780, 3305, 4642
SPHEROCYTES: 1161
SPHEROCYTOSIS, HEREDITARY: 208, 3035
SPHEROPLASTS: 1381, 3776
SPHINGOLIPIDOSIS: 557, 2139, 3475, 3761
SPHINGOMYELINS: 640, 759, 1224, 1268, 3905
SPIN LABELS: 362, 1873, 2282
SPINA BIFIDA: 3487
SPINAL CORD: 559, 1165, 2546, 2802, 2928, 3884, 4001, 4117, 4554, 4575
SPINAL CORD COMPRESSION: 1876, 2230, 2402, 3182, 4715
SPINAL CORD DISEASES: 3102
SPINAL CORD INJURIES: 929, 942
SPINAL CORD NEOPLASMS: 505
SPINAL DISEASES: 1048, 1876, 2306, 3102
SPINAL FUSION: 2230, 3762
SPINAL INJURIES: 3102
SPINAL NEOPLASMS: 49, 929, 1107
SPINAL NERVES: 3754, 4206
SPINAL PUNCTURE: 2139
SPINE: 713, 929, 1101, 1876, 2330, 2495, 2673, 3762, 3771, 3873, 3979
SPINOTHALAMIC TRACTS: 2928
SPIROCHAETA: 2827
SPIROMETRY: 945, 3160, 3554, 4149, 4324
SPIRONOLACTONE: 243, 531, 910, 1131, 1707, 2534, 2788, 2832, 3481, 3538, 3601, 3958, 3970, 4083, 4217
SPLANCHNIC NERVES: 847, 1005, 1040, 1540, 2981, 3850
SPLEEN: 49, 164-166, 290, 346, 385, 407, 418, 422, 608, 618, 662, 700, 768, 843, 847, 849, 914, 933, 999, 1067, 1172, 1235, 1241, 1335, 1345, 1382, 1445, 1555, 1599, 1685, 1917, 2017, 2053, 2100-2101, 2159, 2183, 2219, 2297, 2305, 2400, 2551, 2561, 2564, 2658, 2735, 2768, 2837, 2842, 2901, 3017, 3263-3264, 3479, 3577, 3606, 3659, 3709, 3831, 3845, 3857, 3894, 3903, 3975, 3986-3987, 4049, 4089, 4120, 4126, 4177, 4232, 4239, 4394, 4413, 4450, 4515, 4541, 4594, 4628
SPLENECTOMY: 717, 1599, 3035, 3136, 3182, 3606, 3783, 4049
SPLENIC ARTERY: 758
SPLENIC DISEASES: 3967
SPLENIC NEOPLASMS: 4049, 4513
SPLENOMEGALY: 407, 1103, 2053, 2659, 4049, 4158
SPONDYLITIS: 2306
SPONDYLITIS, ANKYLOSING: 2306, 4565
SPORES, FUNGAL: 710
SPORT MEDICINE: 4728
SPORTS: 244, 4728
SPRUE: 226, 971, 1002, 3036, 3630, 3906
SPUTUM: 2336
SQ 20881: 1064, 2950, 4063
SQUALENE: 3642
SQUID: 394, 573, 2317
SQUIRRELS: 382, 4337
SRS-A: 684, 2021
STAINLESS STEEL: 1493, 3933
STAINS AND STAINING: 58, 82, 436, 490, 607, 867, 1533-1534, 1620, 1632, 1833, 1851, 2147, 2248, 2288, 2410, 2776, 2884, 2898, 2977, 3188, 3199, 3304, 3335, 3400, 3653, 4191, 4596, 4656
STANOLONE: 172, 222, 236, 306, 389-390, 399, 423, 438, 862, 893-894, 911, 965, 1095, 1200, 1332, 1506, 1626, 1655, 1709, 1795, 1892, 2129, 2197, 2274, 2319, 2764, 2795, 3006, 3015, 3148-3149, 3152, 3240, 3253, 3306, 3377, 3788-3789, 4122, 4330, 4393, 4441
STAPES: 4624
STAPES MOBILIZATION: 4624
STAPES SURGERY: 4624
STAPHYLOCOCCAL INFECTIONS: 3183, 3281, 3374, 3669
STAPHYLOCOCCUS: 1353, 1972, 2152, 2166
STARCH: 2065, 2543, 4126
STARFISH: 1059
STARTLE REACTION: 577
STARVATION: 199, 614, 1246, 1401, 1945, 1980, 2591, 2930, 3553
STATE MEDICINE: 1047, 1285
STATISTICS: 549, 605, 694, 798, 871, 1354, 1396, 1634, 1915, 1954, 2580, 2683, 2738, 2779, 2792, 2828, 3188, 3510, 3523, 3541, 3586, 3827, 3837, 4120, 4604, 4607
STATUS DYSRAPHICUS: 4247
STEARIC ACIDS: 202, 362, 3138
STEARYL-COA DESATURASE: 1817
STEIN-LEVENTHAL SYNDROME: 184, 383, 496, 965, 1878, 2247, 2650, 3518, 3635, 3716, 4114
STELLATE GANGLION: 1931, 4117
STEREOISOMERS: 207, 636, 716, 1213, 1263,

SUBJECT INDEX

- 1587, 1989, 2513-2514, 2708, 3244, 3445, 3884, 4024, 4219, 4453
- STEREOTAXIC TECHNIQS: 196, 453, 623, 930, 1008, 1212, 1228, 1492, 1754-1755, 1841, 2022, 2168, 2186, 2239, 2281, 2715, 2864, 2916, 3362, 3502, 3612, 3981, 4157, 4252
- STEREOTYPED BEHAVIOR: 487, 581, 1787, 2924, 4222, 4482
- STERILITY: 1327, 1523, 2531
- STERILITY, FEMALE: 114, 187, 304, 313, 638, 654, 1108, 1247, 1270, 1273, 1328, 1394, 1417-1418, 1605, 1712, 1726, 1875, 1890, 1901, 1969, 2049, 2194, 2216, 2292, 3112-3113, 3172, 3390, 3911, 4010, 4339, 4376, 4716, 4729
- STERILITY, MALE: 171, 304, 860, 1082, 2349, 2483, 2826, 2941, 3189
- STERILIZATION: 2683
- STERILIZATION REVERSAL: 44
- STERILIZATION, SEXUAL: 116, 1331, 1731, 3113
- STERILIZATION, TUBAL: 689, 798, 1523, 2070-2072, 2531
- STERNUM: 3607
- STEROID HYDROXYLASES: 670, 2382, 2487, 2624, 3308, 3910
- STEROIDS: 15, 224, 227-228, 381, 546, 779, 1046, 1118, 1200, 1365, 1385, 1484, 1560, 1760, 1951, 2127, 2197, 2353, 2380, 2440, 2463, 2465, 2476, 2680, 2775, 2822, 2918, 2974, 3035, 3144, 3149, 3155, 3173, 3247, 3374, 3394, 3520, 3643, 3663, 3667, 4079, 4216, 4219, 4489, 4527, 4551, 4648
- STEROIDS, CHLORINATED: 463, 744, 3082, 4718
- STEROIDS, FLUORINATED: 744, 1525, 3375, 4718
- STEROIDS, HETEROCYCLIC: 1390, 2581
- STEROLS: 180, 2319, 3642
- STEVENS-JOHNSON SYNDROME: 4110
- STIGMASTEROL: 1332
- STILBAMIDINES: 1146
- STILBENES: 587, 2034, 2045, 4305
- STIMULATION, CHEMICAL: 28, 137, 171, 182, 201, 241, 300, 353, 379, 390, 444, 451, 465, 531, 589, 579, 597, 604, 626, 631, 633, 658, 686, 698, 715, 728, 752, 770, 799, 861-862, 871, 882, 884, 908, 913, 917, 940, 961, 1039, 1084, 1109, 1112, 1138, 1148, 1159, 1180, 1217, 1221, 1235, 1254, 1268, 1274, 1300, 1323, 1335, 1358, 1384, 1497, 1514, 1531, 1538, 1555, 1567, 1572, 1583, 1588, 1594, 1596, 1671, 1686-1687, 1727, 1732, 1802, 1808, 1812, 1842, 1899, 1927, 1942, 1946, 1977, 1985, 2006, 2010, 2017, 2061, 2093, 2096, 2099, 2106, 2174, 2191-2192, 2219, 2229, 2232, 2252, 2257, 2263, 2314, 2319, 2356, 2422, 2447, 2458, 2498-2499, 2501, 2514, 2524, 2555, 2570-2571, 2576, 2585, 2619, 2632, 2638, 2674, 2680, 2719-2721, 2744, 2758, 2808, 2810-2811, 2813, 2820, 2899, 2921, 2924, 2936, 2943, 2963, 2966, 2978, 2992-2993, 3002, 3004, 3006, 3039, 3094, 3132, 3139, 3188, 3203, 3222, 3253, 3255, 3272, 3341, 3364, 3504, 3523, 3529, 3544, 3606, 3615, 3638, 3661, 3672, 3710, 3747, 3809, 3838, 3864, 3871, 3944, 4028, 4037, 4046, 4063, 4085, 4113, 4140, 4155-4156, 4160, 4165, 4178, 4253, 4274, 4317, 4359-4360, 4364, 4375, 4407, 4456, 4467, 4474, 4493, 4496, 4558, 4564, 4599, 4638, 4664
- STOMACH: 136, 816, 891, 1022, 1165, 1325-1326, 1593, 1876, 2017, 2118, 2183, 2223, 2244, 2252, 2735, 2745, 2788, 2950, 2970, 3197, 3906, 4062, 4340, 4440, 4730
- STOMACH DISEASES: 4183
- STOMACH NEOPLASMS: 258, 1502, 2890, 3193, 4018, 4346, 4440
- STOMACH, RUMINANT: 1029
- STOMACH ULCER: 901, 1722, 2453, 3539, 4440
- STOMATITIS, APHTHOUS: 1906
- STRABISMUS: 4550
- STREPTOCOCCAL INFECTIONS: 240, 2654, 3183, 3281
- STREPTOCOCCUS: 2166, 3796
- STREPTOCOCCUS PYOGENES: 2166
- STREPTODORNASE AND STREPTOKINASE: 2933, 3667
- STREPTOMYCIN: 338, 2691, 3459
- STREPTOMYCIN: 724, 1211, 1370, 2262, 2995
- STREPTOZOTOCIN: 736, 1282, 4008
- STRESS: 73, 242, 288, 388, 427, 634, 709, 901, 1109, 1151, 1301, 1303, 1440, 1529, 1637, 1722, 1907, 2117, 2183, 2327, 2377, 2411, 2760, 2848, 2865-2866, 3093, 3242, 3370, 3384, 3481, 3526, 3657, 4303, 4446, 4617, 4655
- STRESS, MECHANICAL: 1175, 1569, 3599, 3732, 3933, 4047
- STRESS, PSYCHOLOGICAL: 111, 238, 288, 539, 1155, 1464, 1570, 2321, 2745, 3159, 3277
- STRONGYLOIDES: 2290
- STRONGYLOIDIASIS: 700, 2290
- STRONTIUM: 1569, 3997, 4033
- STRONTIUM RADIOISOTOPES: 293
- STRUCTURE-ACTIVITY RELATIONSHIP: 443, 510, 574, 716, 727, 743, 822-824, 921, 923, 1200, 1264, 1282, 1294, 1362, 1426, 1446, 1459, 1515, 1638, 1881, 1981, 1989, 2027, 2055, 2205, 2260, 2307, 2486, 2488, 2513-2514, 2778, 2906, 3006, 3031, 3065, 3144, 3147, 3152, 3244, 3285, 3329, 3445, 3507, 3535, 3600, 3602, 3643, 3674, 3766, 3779, 3789, 4200, 4219, 4355, 4434, 4443, 4453, 4457, 4523, 4564, 4571
- STRUMA OVARI: 2429
- SUBARACHNOID HEMORRHAGE: 735
- SUBCELLULAR FRACTIONS: 113, 287, 482, 575, 605, 696-697, 981, 984, 1040, 1077, 1098, 1120, 1512, 1556, 1895, 1987, 2051, 2128-2129, 2136, 2414, 2446, 2645, 2652, 2658, 2704, 2934, 3126, 3166, 3385, 3597, 4197, 4220, 4340, 4448, 4480, 4502, 4520
- SUBCLAVIAN ARTERY: 4001
- SUBCLAVIAN VEIN: 4001
- SUBMANDIBULAR GLAND: 1095, 1818, 1970, 2423, 2665, 3260, 3495, 3587, 4042, 4480, 4588
- SUBSTANCE P: 294, 1089
- SUBSTANTIA NIGRA: 1263, 1838, 1886, 2759, 3486, 4603
- SUBTILISINS: 2280
- SUCCINATE DEHYDROGENASE: 1785, 2344, 3284, 3319, 3353, 3780, 3892, 4553, 4588
- SUCCINATES: 7, 373, 730, 1125, 1184, 1625, 1784, 1896, 2487, 3056, 3284, 4097
- SUCCINIMIDES: 2386, 4540
- SUCCINYLCHOLINE: 4102
- SUCKING BEHAVIOR: 1071, 2668
- SUCRASE: 836, 1378, 1774, 3671, 3910
- SUCROSE: 587, 2326, 2886, 2899, 3071, 3185, 3798, 4126
- SUDDEN INFANT DEATH: 4312
- SUGAR PHOSPHATES: 1389
- SUICIDE: 1886, 3786, 4679
- SUICIDE, ATTEMPTED: 2845, 3786
- SULFADIAZINE: 721
- SULFADIMETHOXINE: 3458
- SULFAMETHAZINE: 3287, 3568
- SULFAMETHOXAZOLE: 1388, 3281
- SULFANILAMIDES: 1139
- SULFANILIC ACID: 309
- SULFATASES: 198, 354, 997, 4614
- SULFATES: 562, 684, 733, 852, 886, 1323, 1416, 1693, 1795, 2403, 2696, 3088, 4094
- SULFATHIAZOLES: 1923
- SULFHYDRYL COMPOUNDS: 183, 186, 730, 2089, 2097, 3062, 3396, 3851, 4394
- SULFHYDRYL REAGENTS: 1339, 1882, 2620, 3602, 4582
- SULFIDES: 750, 2074, 2252, 3674, 4599
- SULFISOXAZOLE: 1896, 1923
- SULFITES: 3778, 3955
- SULFOBROMOPHTHALEIN: 1375, 3044, 4102
- SULFONAMIDES: 1239, 1282, 2416
- SULFONES: 3726
- SULFONIC ACIDS: 587, 1935-1936
- SULFONYLUREA COMPOUNDS: 2333, 3173, 3602
- SULFUR: 302, 308, 751, 1818, 3286, 3693, 3967
- SULFUR RADIOISOTOPES: 309, 561, 582, 1323, 1972, 2407, 2603, 2644, 2695, 3139, 4320
- SULFURIC ACID ESTERS: 2440
- SULFURIC ACIDS: 198, 231, 679, 771, 1237, 2235, 2440, 3518, 3779, 4133
- SULFURTRANSFERASES: 1046, 1486
- SUNTHIAME: 4110
- SUNLIGHT: 1054, 1837
- SUPERIOR COLLICULUS: 91, 4252
- SUPEROVULATION: 3629
- SUPEROXIDE DISMUTASE: 2733
- SUPPOSITORIES: 1022, 1024
- SUPPURATION: 3028, 3181
- SUPRAOPTIC NUCLEUS: 561, 2411, 3185, 3325, 3895, 4143, 4622
- SURAL NERVE: 4206
- SURFACE-ACTIVE AGENTS: 227, 1086, 1505, 2123
- SURFACE PROPERTIES: 923, 926, 1923, 1994, 2424, 2955, 3219, 3693, 3933
- SURFACE TENSION: 2939
- SURGERY: 3156, 3576
- SURGERY, MINOR: 998, 2760
- SURGERY, OPERATIVE: 2003-2004, 2166, 2327, 2760, 3626, 3717, 3724, 4001
- SURGERY, ORAL: 3810
- SURGERY, PLASTIC: 3810
- SURGICAL NURSING: 2606
- SURGICAL WOUND INFECTION: 2531
- SUSPENSIONS: 1888, 1923, 2123, 2961
- SUTURE TECHNIQS: 2522, 2857
- SUTURES: 688, 3914
- SV40 VIRUS: 2834, 3138, 3267
- SWEAT GLANDS: 681, 3657
- SWEETENING AGENTS: 366
- SWINE: 13, 52, 89, 121, 271, 337, 345, 375, 520, 530, 536, 543, 680, 693, 725, 902, 975, 1109, 1149, 1198, 1309, 1509, 1642, 1705, 1817, 1916, 1987-1989, 2052, 2173, 2257, 2267, 2288, 2369, 2459, 2486, 2517, 2557, 2601, 2609, 2774, 2817, 2919, 3006, 3037, 3155, 3200, 3207, 3260, 3513, 3571, 3597, 3655, 3677, 3722, 3734, 3779, 3802, 3813, 3926, 4132, 4174, 4185, 4200, 4220, 4228, 4235, 4254, 4277, 4354, 4465, 4493, 4502, 4507, 4729
- SWINE DISEASES: 4235, 4729
- SYMPATHECTOMY: 1042, 1064, 2934, 3059, 3884
- SYMPATHETIC NERVOUS SYSTEM: 250, 288, 457, 506, 514, 596, 941, 1064, 1165, 1175, 1320, 1503, 1651, 1777, 1957, 2316, 2736, 2802, 2841, 2934, 3033, 3059, 3063, 3325, 3611, 3791, 3822, 3850, 4117, 4331, 4669
- SYMPATHOLYTICS: 884, 940, 1613, 3855, 4236, 4262, 4279, 4668
- SYMPATHOMIMETICS: 884, 940, 4189, 4640, 4668, 4707
- SYNAPSES: 408, 967, 1616, 1663, 2311, 2317, 2759, 2928, 3033, 3574
- SYNAPTIC MEMBRANES: 331, 1571, 4498
- SYNAPTIC RECEPTORS: 1838, 2667
- SYNAPTIC VESICLES: 281, 967, 1663, 2311, 2999
- SYNAPTOSOMES: 1708, 2634, 2667, 2999, 3527, 4497
- SYNDACTYLIA: 1483
- SYNDROME: 101, 319, 371, 628, 653, 691, 695, 722, 838, 889, 1003, 1105, 1155, 1318, 1441, 1483, 1527, 1628, 1640, 1666, 1826, 1848, 1919, 2025, 2204, 2215, 2221, 2230, 2255, 2347, 2413, 2454, 2549, 2565, 2582, 2584, 2588, 2867, 2951, 3092, 3101, 3103, 3156, 3181, 3196, 3346, 3437, 3444, 3450, 3456-3457, 3463, 3479, 3487, 3489, 3514, 3550, 3582, 3585, 3624, 3646, 3763, 3771, 3872, 3925, 3979, 4069, 4072, 4096, 4150, 4154, 4232, 4246-4247, 4251, 4265, 4280, 4283, 4307, 4322, 4391, 4396, 4399, 4418, 4432, 4450, 4495, 4500, 4539, 4550, 4662
- SYNOVIAL FLUID: 1786, 2212, 3772, 4343, 4565, 4598
- SYNOVIAL MEMBRANE: 907, 2969
- SYNOVITIS: 4489
- SYPHILIS: 4576
- SYPHILIS, CONGENITAL: 3267
- SYRINGES: 4528

T

- TABLETS: 1923
- TACHYCARDIA: 559, 1545, 1783, 2279, 3221, 3794
- TACHYCARDIA, PAROXYSMAL: 2279
- TACHYPHYLAXIS: 1080, 1180, 1320, 1828
- TAIL: 912, 2182, 3053, 4522
- TALC: 3193, 3250
- TAMOXIFEN: 2034, 3377
- TANNIC ACID: 82
- TARSAL BONES: 518, 1003
- TARSAL JOINT: 4343
- TASK PERFORMANCE AND ANALYSIS: 3662
- TASTE: 280, 1436, 2118, 2270, 2890, 3540

SUBJECT INDEX

- A-412

SUBJECT INDEX

- 814, 1128, 1283, 1372, 1384, 1618, 2060, 2246, 2380, 2496, 2692, 2702, 2959, 2981, 2987, 2989, 3087, 3181, 3326, 3466, 3531, 3533, 3669, 3672, 3678, 3774, 3822, 3916, 4186, 4199, 4328, 4553, 4674
- THYROID NEOPLASMS:** 127, 132, 194, 226, 262, 405, 412, 446, 473, 505, 517, 544, 783-784, 831, 837, 1015, 1084, 1535, 1576, 1579, 1656, 1679, 1700, 1785, 1930, 1954, 2064, 2091, 2180-2181, 2258, 2584, 2617, 2673, 2703, 2836, 2952, 2989, 3073, 3111, 3156, 3269, 3294, 3389, 3405, 3441, 3489, 3575, 3619, 3623-3624, 3782, 4141-4142, 4150, 4237, 4251, 4313, 4348, 4674, 4697, 4721-4722, 4725
- THYROIDECTOMY:** 97, 226, 262, 544, 648, 681, 715, 968, 1098, 1128, 1132, 1380, 1421, 1618, 1679, 1700, 1933, 1964, 2069, 2246, 2320, 2340, 2447, 2496, 2574, 2720, 2805, 2840, 2848, 2989, 3213, 3366, 3575, 3672, 3689, 3717, 3822, 3942, 3976, 4170, 4173, 4435, 4439, 4613, 4674, 4725
- THYROIDITIS:** 194, 622, 959, 1354, 1370, 1946, 1976, 2064, 2077, 2226, 2588, 2608, 2989, 3051, 3073, 3181, 3489, 3585, 3593, 4003, 4141, 4227, 4389
- THYROIDITIS, LYMPHOMATOUS:** 305, 1286, 3087, 3181, 3268, 3359, 3489, 3575, 3592, 4398, 4410
- THYRONINE:** 1463
- THYROTROPIN:** 20, 97, 158-160, 323, 339, 372, 423, 487, 509, 622, 635, 644, 648, 676, 715, 720, 737-738, 755, 784, 858, 882-883, 922, 961, 972, 975, 988, 1079, 1084, 1106, 1235, 1267-1268, 1286-1287, 1374, 1380, 1421, 1427, 1432, 1454, 1463, 1558, 1611, 1658, 1670, 1679, 1697, 1718, 1770, 1790, 1853, 1860, 1862, 1868, 1900, 1964, 1976, 2032, 2201, 2214, 2245, 2250, 2289, 2302, 2325-2326, 2443, 2517, 2619, 2630, 2702, 2706, 2780, 2792, 2815, 2825, 2848, 3064, 3074, 3344, 3359, 3364, 3370, 3408, 3441, 3443, 3511, 3513, 3536, 3575, 3637, 3651, 3690, 3785, 3782, 3801, 3828, 3944, 4043, 4080, 4199, 4221, 4273, 4285, 4309, 4314, 4362, 4408, 4474, 4509, 4611, 4633, 4702
- THYROTROPIN RELEASING HORMONE:** 158-160, 246, 357, 372, 406, 488, 509, 537, 571, 644, 661, 755, 922, 932, 961, 1106, 1412, 1421, 1432, 1454, 1584, 1591, 1658, 1670-1671, 1697, 1723, 1891, 2226, 2289, 2302, 2329, 2616, 2619, 2780, 2825, 2848, 3177, 3364, 3465, 3536, 3650-3651, 3978, 4003, 4111, 4231, 4273, 4285, 4314, 4321, 4336, 4362, 4388, 4390, 4408, 4633, 4635, 4666
- THYROXINE:** 20, 105, 147, 158, 160, 328, 360, 372, 387, 412, 588, 624, 635, 637, 663, 676, 681, 707, 715, 720, 755, 814, 832, 882, 900, 912, 968, 976, 1104, 1127, 1223, 1380, 1421, 1423, 1463, 1576, 1636, 1658, 1678-1679, 1682, 1690, 1697, 1773, 1790, 1794, 1860, 1862, 1868, 1893, 1913, 1943, 1945, 1964, 2005-2006, 2060, 2179, 2182, 2201, 2245, 2303, 2340, 2370, 2407, 2425, 2496, 2512, 2630, 2650-2651, 2702-2703, 2727, 2750, 2758, 2815, 2848, 2909, 3018, 3041, 3087, 3104, 3195, 3325, 3359, 3379, 3424, 3438, 3441, 3447, 3492, 3506, 3536, 3575, 3596, 3616, 3678, 3690, 3700, 3725, 3730, 3780, 3782, 3785, 3801, 3851, 3944, 4023, 4050-4051, 4111, 4170, 4207, 4231, 4275-4276, 4278, 4314, 4334, 4336, 4345, 4351, 4362, 4397, 4408, 4509, 4531, 4553, 4630, 4666, 4702
- THYROXINE-BINDING PROTEIN:** 273, 622, 755, 1770, 1860, 1964, 2005, 2074, 2125, 2226, 2630, 2982, 3018, 3424, 3780, 4351, 4397, 4435, 4509, 4630
- TIBIA:** 346, 513, 518, 741, 2111, 2280, 2361, 2424, 2432, 2439, 2492, 2502, 2593, 3276, 3365, 3446, 3585, 3590, 3653, 3873
- TIBIAL FRACTURES:** 388, 2156, 2497-2502, 3500
- TICKS:** 3793
- TIDAL VOLUME:** 3485
- TIME FACTORS:** 13, 24, 28, 36, 42, 44, 47, 51, 53-56, 60, 73-74, 78-80, 83, 98, 100, 113-114, 120, 123, 141, 159, 161, 170, 173, 181, 199, 210, 212, 215, 221, 242, 247, 252-253, 258, 266, 270, 284, 286-287, 293, 298, 305, 310, 320-321, 327, 358, 379, 384, 390, 401, 411, 415, 417, 427, 440, 443, 457, 465-468, 472, 475-476, 498, 501, 511, 519, 536, 540-541, 543-544, 546-547, 553, 559, 567, 579-581, 585, 589, 605, 614, 637, 655, 664, 679, 689, 694, 698, 700, 707-709, 718, 720, 736, 743, 748, 805-806, 809, 822, 824, 833, 839, 842, 849, 869, 873, 892, 914, 934, 936, 955, 961, 963, 973, 975, 984, 995-996, 998, 1009, 1012, 1016, 1033-1034, 1050, 1052, 1054, 1058, 1063, 1066, 1068, 1080, 1087, 1091-1092, 1111-1112, 1119, 1132, 1137, 1148, 1154, 1168-1169, 1176, 1182, 1192, 1208, 1228, 1235, 1237, 1254-1255, 1257, 1265-1266, 1274-1275, 1296, 1298, 1301, 1303, 1321, 1341-1342, 1349, 1351, 1358, 1361, 1379, 1381-1382, 1389, 1398, 1407, 1409, 1415-1416, 1456, 1467, 1472, 1481, 1492, 1496-1497, 1513, 1518, 1521, 1536, 1543, 1549, 1552, 1555, 1582, 1588, 1599, 1604, 1627, 1629-1631, 1635, 1637-1638, 1641, 1646, 1664, 1667-1668, 1674, 1678, 1680, 1693, 1696-1697, 1699, 1703, 1727, 1734-1735, 1741, 1743-1744, 1756, 1758, 1768, 1773-1774, 1778, 1787, 1797, 1805, 1811, 1820, 1825, 1832-1833, 1854, 1856-1859, 1868-1869, 1872, 1883, 1898, 1903, 1910, 1912-1913, 1916, 1922-1923, 1945, 1961, 1980, 1982, 1991, 1996, 2003, 2009-2010, 2028, 2035, 2039, 2041, 2048, 2052, 2055, 2061, 2086, 2096, 2100, 2104, 2106, 2109, 2120, 2134-2135, 2141, 2143, 2147, 2150, 2153, 2162, 2167, 2169, 2174, 2178, 2180, 2195, 2219-2220, 2231, 2235, 2241, 2252, 2261, 2266, 2269, 2274, 2277-2278, 2284, 2286, 2300, 2303, 2310, 2312-2313, 2326, 2336-2338, 2340, 2342, 2346, 2351, 2369, 2376, 2387, 2403, 2409, 2412, 2421-2422, 2425, 2428, 2430, 2461, 2476, 2484, 2496-2499, 2501-2503, 2508-2510, 2517, 2521, 2537, 2548, 2560, 2575, 2585, 2587, 2590-2591, 2596, 2601, 2605, 2607, 2609, 2616, 2626-2627, 2632, 2642, 2645, 2660, 2663, 2668, 2674, 2687-2688, 2692, 2694-2696, 2698, 2701-2702, 2705, 2719, 2723-2724, 2733, 2736, 2739, 2745, 2747, 2755, 2761-2762, 2764, 2767, 2771, 2776, 2785, 2787, 2795-2796, 2806, 2809, 2811, 2815, 2818, 2820, 2847-2848, 2852, 2857, 2865-2866, 2871, 2876, 2878, 2893, 2899-2900, 2908, 2915, 2935, 2945, 2947, 2959, 2961, 2964, 2973, 2985, 2992, 2998, 3004, 3008, 3012, 3015, 3020, 3023, 3031, 3038-3039, 3045, 3060, 3067, 3075, 3077, 3079, 3082, 3089, 3125, 3129, 3138, 3155, 3161, 3166, 3188, 3192, 3195, 3197-3198, 3205, 3215-3217, 3226, 3247, 3255, 3257, 3260, 3272, 3278-3279, 3283, 3298, 3316, 3325-3326, 3332, 3334, 3351, 3370, 3373, 3378, 3383-3385, 3395-3396, 3400, 3404, 3413, 3430-3432, 3443, 3451, 3470, 3482, 3486, 3504, 3510, 3517-3518, 3528-3528, 3536, 3545-3546, 3550, 3555-3556, 3558, 3560, 3563, 3568, 3571, 3589, 3591, 3595, 3598, 3600, 3607, 3609, 3620, 3629, 3636, 3648, 3656, 3672, 3681, 3684, 3691-3692, 3697, 3710-3712, 3720-3721, 3731, 3735, 3747, 3777, 3780, 3784-3785, 3792, 3794, 3806, 3809, 3838, 3857-3858, 3860, 3876-3877, 3884, 3887, 3894, 3896, 3909, 3912, 3918, 3921, 3935, 3938, 3944, 3948-3949, 3954, 3957-3958, 3972, 3976, 3985, 3992, 4010, 4012, 4018, 4037, 4039, 4058, 4063, 4077, 4081, 4089, 4103, 4105, 4111, 4114, 4118-4120, 4125, 4129-4130, 4133, 4135, 4137, 4139, 4144, 4161, 4184, 4188, 4201, 4205, 4223, 4226, 4228-4229, 4243, 4252-4253, 4260, 4264, 4268, 4275-4276, 4283, 4285-4286, 4301, 4303, 4315, 4335-4336, 4350, 4357, 4363, 4372, 4380, 4384, 4399, 4412, 4417-4418, 4423, 4425, 4427, 4437, 4448, 4451, 4455, 4460-4461, 4491, 4496, 4518, 4528, 4538, 4542, 4554, 4560, 4564-4565, 4570, 4583-4584, 4612, 4614, 4616, 4622-4623, 4629, 4633-4634, 4639, 4641, 4645, 4655, 4657, 4696, 4729
- TINEA:** 59, 1819
- TINDAZOLE:** 4428
- TISSUE CULTURE:** 147, 285, 680, 912, 987, 1531, 1730, 1748, 2083, 2156, 2171, 2628, 2656, 2740, 2942, 2974, 4002, 4517, 4580
- TISSUE EXTRACTS:** 19-20, 64, 121, 149, 179, 246, 316, 335, 357, 375, 423, 909, 1065, 1290, 1671, 2374, 2422, 2601, 3001, 3037, 3280, 3352, 3577, 3793, 3989, 4080, 4135, 4232, 4239, 4389, 4450
- TISSUE PRESERVATION:** 2730, 3900, 4208-4209
- TITANIUM:** 2424, 3933
- TOADS:** 584, 1032, 1571
- TOBACCO:** 2127
- TOES:** 319, 518, 838, 1483, 2347, 4247
- TOLAZOLINE:** 4599
- TOLBUTAMIDE:** 656, 1300, 2342, 4296, 4665
- TOLONIUM CHLORIDE:** 1173
- TOLUENE:** 976, 1422, 2338, 3910
- TOLUIDINES:** 1833
- TOMATINE:** 2127
- TOMOGRAPHY:** 3942
- TOMOGRAPHY, RADIOGRAPHIC:** 49, 552, 866, 1185, 1809, 1963, 2032, 2697, 2770, 3305, 3603, 4019, 4539
- TONGUE:** 757, 2118, 4247
- TONGUE NEOPLASMS:** 3830
- TONOMETRY:** 4396
- TONSILLITIS:** 622
- TOOTH:** 195, 253, 1830, 3401, 3933
- TOOTH ABNORMALITIES:** 2037, 4072
- TOOTH, ARTIFICIAL:** 3933
- TOOTH CALCIFICATION:** 1513, 4234
- TOOTH EXTRACTION:** 5, 2881
- TOOTH GERM:** 3503
- TORSION:** 1559, 3998
- TORTICOLLIS:** 2864
- TORULOPSIS:** 1019
- TOSYL COMPOUNDS:** 823
- TOSYLARGININE METHYL ESTER:** 1265, 4696
- TOSYLLYSINE CHLOROMETHYL KETONE:** 1265, 4696
- TOSYLPHENYLALANYL CHLOROMETHYL KETONE:** 4696
- TOUCH:** 2311
- TOXICOLOGY:** 1484, 4219
- TOXIFERINE:** 2043
- TOXINS:** 458, 1459, 1548, 1614, 1845, 2101, 2127, 2143, 2175, 3115, 3341, 4179, 4664
- TOXOIDS:** 3341, 4664
- TOXOPLASMA:** 1081
- TOXOPLASMOSIS:** 2259, 2965
- TOXOPLASMOSIS, ANIMAL:** 1081
- TOXOPLASMOSIS, CONGENITAL:** 2259, 3287
- TRACE ELEMENTS:** 92, 584, 1484, 2607, 2682, 4525
- TRACHEA:** 658, 843, 1337, 1593, 1676, 3771
- TRACHEAL DISEASES:** 1963
- TRACHEAL NEOPLASMS:** 3193, 4018, 4725
- TRACHEITIS:** 452
- TRACHEOTOMY:** 1894, 3140
- TRACHOMA:** 1047
- TRANQUILIZING AGENTS:** 8, 488, 961, 1263, 1369, 1891, 2093, 2807, 3434, 4189, 4407, 4430
- TRANQUILIZING AGENTS, MAJOR:** 626
- TRANQUILIZING AGENTS, MINOR:** 3016, 3932
- TRANSCORTIN:** 247, 2125, 2266, 2595, 3340, 3550, 4176
- TRANSCRIPTION, GENETIC:** 381, 563, 627, 821, 1119, 1265, 1422, 1530, 1533-1534, 1631, 2163, 2536, 2755, 2882, 3151, 3316, 3395, 3496, 3535, 3848, 4029, 4578, 4648, 4696
- TRANSDUCERS:** 300, 1006, 3599
- TRANSFER FACTOR:** 4232, 4427
- TRANSFERASES:** 2547
- TRANSFERRIN:** 2449, 3463, 4267
- TRANSFORMATION, GENETIC:** 4204, 4537
- TRANSKETOLASE:** 30, 1139
- TRANSLATION, GENETIC:** 51, 627, 637, 1198, 1631, 1768, 2890, 3151, 3369, 3552, 3718, 3848, 4162, 4421, 4471
- TRANSLLOCATION (GENETICS):** 209, 349, 490, 1343, 1691, 2797, 3011, 4029, 4061, 4656
- TRANSPLANTATION, ALLOGENEIC:** 1341, 2057, 3631
- TRANSPLANTATION, AUTOLOGOUS:** 25, 758, 1092, 1172, 2230, 2522, 2544, 2869, 3259, 3705, 4423, 4459, 4503, 4653
- TRANSPLANTATION, HETEROLOGOUS:** 2366
- TRANSPLANTATION, HOMOLOGOUS:** 78-79, 114, 122, 263, 327, 370, 373, 438, 616-617, 645, 662, 673, 774, 809, 843, 900, 909, 972, 977, 1092, 1123, 1440, 1570, 1606, 1779, 1825, 1993, 2057, 2269, 2297, 2402, 2504, 2541, 2622, 2647, 2707, 2725, 2956, 2994, 3059, 3153, 3206, 3239, 3283, 3321, 3546, 3564, 3659, 3888, 3983, 4008, 4067, 4115, 4208, 4211, 4244, 4438, 4450, 4452, 4503, 4513, 4515, 4689, 4715, 4719
- TRANSPLANTATION IMMUNOLOGY:** 79, 373, 422, 2541, 2622, 3888, 4438
- TRANSPLANTATION, ISOGENEIC:** 3206
- TRANSSEXUALISM:** 2024, 2845, 4422
- TRANSVESTISM:** 2845, 4422

SUBJECT INDEX

- TRANLYCYPROMINE: 1363, 4197
 TRAVEL: 709
 TREES: 3955
 TREHALASE: 836, 1378
 TREMATODA: 3497
 TREMOR: 816, 2475, 3362
 TRETINOLIN: 3065
 TRIAMCINOLONE: 553, 611, 660, 1001, 2462, 4494, 4628
 TRIAMCINOLONE ACETONIDE: 516, 547, 660, 765, 1080, 1570, 1771, 1855, 2058, 2063, 2164, 2565, 2927, 3535
 TRIAMTERENE: 531, 857, 910, 1707, 2109, 2534
 TRIAZENES: 258
 TRIAZINES: 2243
 TRIAZIQUONE: 1748, 4517
 TRIAZOLES: 462, 2337, 2642, 3062
 TRICHINELLA: 2254
 TRICHINOSIS: 240, 2254
 TRICHLOROACETIC ACID: 1389
 TRICHOMONAS INFECTIONS: 4546
 TRICHOMONAS VAGINITIS: 4428
 TRICHOPTON: 2675, 2933
 TRICHOSTROGYLOIDIASIS: 3409
 TRICHURIASIS: 700, 3334, 4427
 TRICHURIS: 4427
 TRIFLUOPERAZINE: 340, 3137, 4486
 TRIGEMINAL NERVE: 2119, 4121
 TRIGLYCERIDES: 60, 65, 263, 430, 754, 876, 891, 947, 1130, 1139, 1381, 1406, 1413, 1468, 1629, 1744, 2205, 2540, 2671, 2772, 2872, 2984, 3167, 3480, 3492, 3529, 3662, 3725, 3887, 4493
 TRIHEXYPHENIDYL: 2187, 4609
 TRIIODOTHYRONINE: 147, 158-160, 181, 273, 372, 412, 635, 683, 676, 720, 755, 784, 900, 968, 988, 1098, 1108, 1128, 1254, 1380, 1384, 1421, 1423, 1463, 1521, 1670, 1678-1679, 1682, 1690, 1697, 1719, 1773, 1790, 1811, 1860, 1862, 1868, 1943, 1964, 2005, 2060, 2074, 2179, 2226, 2245, 2339, 2344, 2425, 2447, 2496, 2536, 2614, 2619, 2630, 2702-2703, 2758, 2766, 2848, 3041, 3325, 3379, 3424, 3438, 3443, 3506, 3575, 3616, 3672, 3678, 3690, 3730, 3780, 3785, 3828, 3844, 3916, 3944, 3976, 4278, 4351, 4362, 4397, 4408, 4474, 4509, 4553, 4630-4631
 TRILOGY OF FALLOT: 3241
 TRIMETHAPHAN: 1642
 TRIMETHOPRIM: 1388, 3281
 TRIMETHYLSILYL COMPOUNDS: 1908, 2019
 TRIOLEIN: 754
 TRIPARANOL: 124
 TRIPELENNAMINE: 3032
 TRISOMY: 454, 490, 691, 695, 813, 1114, 1277, 1476, 1775, 2884
 TRITERPENES: 4217
 TRITIUM: 27, 46, 53, 61, 141, 197, 199, 221, 257, 389, 399, 486, 529, 537, 582, 605-606, 675, 743, 753-754, 803, 844, 873, 885, 893, 921, 997, 999-1000, 1036, 1077, 1100, 1158, 1219, 1237, 1253, 1265, 1267, 1274, 1398, 1406, 1425, 1431, 1495, 1548, 1587, 1589, 1608-1609, 1623, 1646, 1652, 1680, 1685, 1701, 1711, 1767, 1777, 1802, 1852, 1857-1859, 1892, 1962, 2028, 2045, 2056, 2083, 2113, 2163, 2310, 2314, 2333, 2425, 2444, 2480, 2519, 2616, 2694, 2813, 2839, 2876, 2882, 2884, 2909, 2932, 2956, 3006, 3015, 3052, 3065, 3088, 3100, 3138, 3148-3149, 3170, 3188, 3216, 3264, 3289, 3294, 3306, 3355, 3357, 3393, 3410, 3429, 3496, 3535, 3563, 3566, 3570-3572, 3591, 3643, 3647, 3659, 3671, 3776, 3789, 3819, 3845, 3883, 3926, 3960, 3972, 3986, 3989, 4034, 4042, 4075, 4113-4114, 4125, 4162, 4187-4188, 4191, 4201, 4224, 4232, 4239, 4309, 4340, 4349, 4378, 4455, 4461, 4519, 4527, 4541, 4564, 4575, 4610, 4615, 4646, 4648, 4656-4657, 4660, 4696
 TRITONS: 174, 231, 987, 1086-1087, 1347, 1630, 2681, 3400, 3665, 3808, 4520, 4527
 TRITURUS: 1036, 1373
 TROMETHAMINE: 133, 836
 TROPANES: 2127
 TROPHOBLAST: 1085, 1542, 2366, 2735, 3207
 TROPHOBLASTIC TUMOR: 1408, 1461, 1920, 4144-4145, 4255, 4288
 TROPICAL CLIMATE: 3046
 TROPOMYOSIN: 3875
 TROPONIN: 3543, 3675
 TROUT: 833, 1491, 1580, 2196, 2393, 3681, 3792, 4112
 TRYPAELOSOMA BRUCEI: 1937
 TRYPAELOSOMA CRUZI: 682
 TRYPAELOSOMA GAMBIENSE: 4442
 TRYPAELOSOMIASIS: 1937
 TRYPAELOSOMIASIS, SOUTH AMERICAN: 682
 TRYPSIN: 344, 916, 924, 975, 1077, 1597, 2157, 2205, 2228, 2260, 2435, 2464, 2518, 2763, 3422, 3630, 3644, 4066
 TRYPSIN INHIBITORS: 1479, 2205, 2228, 2806, 2890
 TRYPTAMINES: 1325-1326, 2488, 3211, 3572, 3608, 4273, 4394, 4430
 TRYPTOPHAN: 215, 330, 481, 685, 1322, 1549, 1561, 1812, 1820, 2196, 2208, 2417, 2667, 2744, 2747, 2766, 3273, 3434, 3718, 3881, 3936, 4455, 4589
 TRYPTOPHAN HYDROXYLASE: 761, 1820, 1831, 1882, 4252
 TRYPTOPHAN OXYGENASE: 310, 330, 1812, 2939, 2958, 3718, 3904, 4204
 TRYPTOPHANASE: 7, 3251
 TUBER CINERUM: 1008, 3328
 TUBERCULIN: 3667
 TUBERCULIN TEST: 1751, 2104
 TUBERCULOMA: 4231
 TUBERCULOSIS: 3945
 TUBERCULOSIS, CUTANEOUS: 724, 3243, 3945
 TUBERCULOSIS, ENDOCRINE: 3945
 TUBERCULOSIS, FEMALE GENITAL: 1037, 1559, 2531
 TUBERCULOSIS, GASTROINTESTINAL: 3945
 TUBERCULOSIS, LYMPH NODE: 3945
 TUBERCULOSIS, MENINGEAL: 3945, 4231
 TUBERCULOSIS, MILIARY: 3520, 3945
 TUBERCULOSIS, OSTEOARTICULAR: 3945
 TUBERCULOSIS, PLEURAL: 3945
 TUBERCULOSIS, PULMONARY: 152, 2249, 2580, 3824
 TUBERCULOSIS, SPINAL: 3945
 TUBERCULOSIS, UROGENITAL: 3945, 4304
 TUBERCULOSIS VACCINES: 151, 3217
 TUBEROUS SCLEROSIS: 4251, 4391
 TUBOCURARINE: 331, 1390, 1446, 1482, 2779
 TUBULIN: 619, 1231, 4134
 TUNGSTEN: 3176
 TURBIDIMETRY: 2253
 TURBINATES: 520
 TURKEYS: 153, 298, 750-751, 1459, 1571, 2142, 2723, 3423, 4007
 TURNER'S SYNDROME: 13, 93, 279, 490, 628, 695, 786, 898, 992, 1251, 1434, 1483, 1863, 1967, 2373, 2403, 2549, 2596, 2905, 3196, 3230, 3406, 3473, 3957, 4192, 4371, 4401, 4420, 4596, 4620
 TURPENTINE: 1517
 TURTLES: 597, 1348, 2468
 TWINS: 24, 625, 1195, 1813, 3150, 3517
 TWINS, DIZYGOTIC: 3150
 TWINS, MONOZYGOTIC: 3150
 TYPHOID: 1388
 TYRAMINE: 1175, 1320, 3235, 3486
 TYROSINE: 218, 626, 1322, 2383, 2579, 2841, 3486, 3531, 3828, 3936, 4023, 4390, 4455, 4589
 TYROSINE AMINOTRANSFERASE: 330, 553, 2104, 2958, 3531, 3535, 4013-4014
 TYROSINE HYDROXYLASE: 218, 348, 626, 1369, 1616-1617, 1686-1687, 1708, 2229, 2667, 2841, 3093-3094, 4023
 TYROSYL T RNA SYNTHETASE: 257

U

- UBIQUINONE: 1506, 3284, 4592
 UDDER: 1740, 3183, 3854
 UDP GLUCURONOSYLTRANSFERASE: 1507, 1684, 2338
 ULCER: 1091
 ULNA: 518, 728, 1730, 1876, 2280, 2678, 2985, 3746, 3873, 4315
 ULTRACENTRIFUGATION: 345, 821, 2056, 3057, 3980, 4098, 4124, 4275
 ULTRAFILTRATION: 3897, 4094
 ULTRASONIC THERAPY: 565
 ULTRASONICS: 10, 386, 1116, 1420, 1679, 2029, 2264-2265, 2991, 3254, 3519, 4073, 4099, 4104, 4106, 4255, 4590
 ULTRAVIOLET RAYS: 75, 572, 685, 749, 1748, 2225, 2655, 3375, 3891, 3974, 4572
 UMBILICAL ARTERIES: 276, 4558
 UMBILICAL CORD: 365, 1427, 2132, 4556, 4558
 UMBILICAL VEINS: 276, 4024, 4558
 UMBILICUS: 3840, 3852
 UNCONSCIOUSNESS: 1653, 3981
 UNCOUPLING AGENTS: 230, 3798, 4532
 UNITED STATES FOOD AND DRUG ADMINISTRATION: 1781, 2533
 UNITED STATES NATIONAL INSTITUTES OF HEALTH: 4312
 URACIL: 2089, 3822
 URACIL NUCLEOTIDES: 4259
 URANIUM: 1675
 URBAN POPULATION: 683, 1114, 1117, 2211, 2523, 3311, 3849
 UREA: 6, 12, 130, 484, 570, 574, 852, 855, 924, 1299, 1387, 1518, 1607, 1840, 2135, 2220, 2386-2387, 2390, 2459, 2642, 2885, 2930, 3008, 3185, 3330, 3376, 3940, 3953, 4102, 4196, 4691
 UREMIA: 122, 673, 1262, 1470, 1598, 1903, 1948, 1992, 2241, 2272, 2483, 2728, 2956, 3119, 3817, 4338
 URETER: 2011, 3702
 URETERAL CALCULI: 2952
 URETERAL DISEASES: 1136
 URETERAL NEOPLASMS: 502, 1661, 3398
 URETERAL OBSTRUCTION: 502, 2921
 URETHANE: 1207-1208, 3223, 4121
 URETHRA: 2680, 3852
 URIC ACID: 65, 1167, 1742, 1833, 2375
 URIDINE: 486, 1245, 1274, 1425, 1604, 1962, 2163, 2563, 2740, 2811, 2882, 3355, 3395, 3429, 3706, 3792, 4512, 4610, 4646, 4660, 4696
 URIDINE DIPHOSPHATE GLUCOSE: 1347
 URIDINE DIPHOSPHATE SUGARS: 1347
 URINARY CALCULI: 3286
 URINARY CATHETERIZATION: 2086
 URINARY DIVERSION: 502
 URINARY TRACT: 3333
 URINARY TRACT INFECTIONS: 694, 775, 2605
 URINATION: 2680, 2998, 3886
 URINE: 177, 267, 548, 557, 600, 706, 876, 1919, 2000, 2139, 2387, 3761, 4196, 4508
 UROGENITAL NEOPLASMS: 783, 1244, 1661, 3111, 3398, 4433
 UROGENITAL SYSTEM: 1383, 1403, 1628, 2773, 4500
 UROGRAPHY: 416, 539, 647, 758, 764, 866, 2544, 2971, 3991, 4052, 4475, 4500, 4695
 UROKINASE: 128
 UROLOGIC DISEASES: 2265
 URONIC ACIDS: 771, 2283
 URTICARIA: 479, 2084, 3016
 URTICARIA PIGMENTOSA: 1101, 1376
 UTERINE CONTRACTION: 2015, 3548, 4507, 4641, 4729
 UTERINE DISEASES: 688, 825, 949, 2264, 4128, 4376
 UTERINE HEMORRHAGE: 800, 1461, 1502, 1798, 2268, 4339
 UTERINE INERTIA: 193
 UTERINE NEOPLASMS: 14, 71-72, 258, 369, 428, 495, 683, 731, 775, 800, 874, 949, 992, 1247, 1502, 1586, 2034, 2211, 2213, 2264, 2596, 2687, 2748, 2800, 2846, 2891, 2933, 3193, 3278-3279, 3467, 3473, 3748, 4073, 4144-4145, 4326, 4369
 UTERINE PERFORATION: 825
 UTERINE RUPTURE: 527, 1798
 UTEROGLOBIN: 260
 UTERUS: 31, 225, 245, 259-260, 276, 386, 444, 450, 536, 602, 618, 621, 633, 658, 688, 839, 1025, 1039, 1052, 1066, 1097, 1141, 1154, 1172, 1316, 1319, 1349, 1393, 1399, 1444, 1462, 1469, 1498, 1674, 1832, 1849, 1881, 1938, 2047, 2108, 2116, 2132, 2154, 2254, 2286, 2354, 2366, 2398, 2479, 2550, 2563, 2570, 2631, 2658, 2687, 2735, 2748, 2809-2810, 2820, 2839, 2877, 2962-2963, 2988, 3008, 3029, 3044, 3184, 3188, 3215, 3226, 3233, 3254, 3282, 3285, 3332, 3381, 3413, 3429, 3517, 3548, 3563, 3613, 3629, 3767-3768, 3802, 3816, 3819, 3840, 3859-3860, 3928, 3947, 3985, 4000, 4114, 4129, 4132, 4151, 4218, 4228, 4370, 4423, 4504, 4532, 4581, 4618
 UVEA: 4396
 UVEITIS: 435, 734, 1397, 2215, 2462, 4396

SUBJECT INDEX

V

VACCINATION: 3557, 3628
 VACCINE THERAPY: 1240
 VACCINES: 4708
 VACUOLES: 281, 1027
 VACUUM EXTRACTION, OBSTETRICAL: 4058
 VAGINA: 71, 225, 300, 1039, 1398, 1444, 1462, 1732, 1741, 1854, 2116, 2254, 2875, 2992, 3797, 3852, 3946, 4128-4129, 4329
 VAGINAL DISEASES: 775, 1793, 4546
 VAGINAL NEOPLASMS: 72, 200, 428, 683, 4309
 VAGINAL SMEARS: 450, 781, 874, 1085, 1620, 1875, 1928, 2854, 3270, 3797, 3946, 4074, 4129, 4369, 4546
 VAGINITIS: 1386
 VAGOTOMY: 542, 1256, 2494, 3485, 3822, 4440, 4453
 VAGUS NERVE: 512, 594, 1165, 1390, 1780, 2048, 2237, 2788, 2981, 3485, 3822, 4117
 VALERATES: 744, 1829, 1940, 2717, 2927
 VALINE: 130, 637, 1905, 2977, 4421
 VALINOMYCIN: 180, 1058, 2886, 3505
 VALYL T RNA SYNTHETASE: 257
 VANCOMYCIN: 1385
 VANILMANDELIC ACID: 1139, 1250, 1345, 1545, 2190, 2553, 4021, 4687
 VARIATION (GENETICS): 271, 575, 710, 1195, 1403, 1447, 1997, 2478, 4578, 4600
 VARICOCELE: 773, 1082, 3314, 3339
 VARICOSE VEINS: 491, 3159, 3699, 4019
 VAS DEFERENS: 171, 1134, 1855, 2658, 3059, 3240, 3426, 3710-3711, 4323, 4632
 VASCULAR DISEASES: 1187, 1307, 2001, 2087, 2586, 3116, 3927, 3993, 4001, 4067, 4459
 VASCULAR RESISTANCE: 526, 658, 847, 1014, 1042, 1175, 1278, 1497, 1984-1985, 2052, 2237, 2281, 2399, 2560, 2689, 2781, 2949, 3165, 3825, 3702, 3964, 4202, 4209, 4353, 4496, 4592
 VASCULAR SURGERY: 3576, 3724
 VASECTOMY: 44, 1523, 1726, 3240, 4350
 VASOCONSTRICTOR AGENTS: 228, 318, 896, 1080, 2027, 4083
 VASODILATOR AGENTS: 23, 318, 601, 1379, 1613, 2027, 2167, 2950, 3221-3222, 4668
 VASOMOTOR SYSTEM: 594, 1064, 1386, 1568-1569, 1814, 2203, 2281, 2689, 3118, 3204, 3625, 3702, 3856, 4062, 4394
 VASOPRESSIN: 66, 192, 266, 335, 357, 424, 494, 561, 653, 780, 812, 818, 857, 859, 896, 1309, 1339, 1518, 1571, 1595, 1636, 1640, 1800, 1844, 1987-1988, 2086, 2150, 2182, 2325, 2387, 2509, 2512, 2856, 2899, 2975, 3128, 3185, 3290, 3320, 3325, 3657, 3708, 3895, 4143, 4196, 4213, 4231, 4233, 4332
 VEGETABLES: 130, 4346
 VEGETARIANISM: 3394
 VEHICLES: 228, 2087, 3693, 4018
 VEINS: 4, 700, 720, 828, 1010-1011, 2140, 2426, 2522, 2869, 3206, 3240, 3875
 VENA CAVA, INFERIOR: 632, 828, 3206
 VENA CAVA, SUPERIOR: 2434, 3875
 VENAE CAVAE: 3215, 3991
 VENEREAL DISEASES: 3407
 VENOUS PRESSURE: 2685
 VENTRICULAR FIBRILLATION: 123, 1311, 4387
 VENTRICULOGRAPHY: 974, 1437, 3963
 VERATRUM ALKALOIDS: 2127
 VERBAL BEHAVIOR: 2415
 VERTEBRATES: 2311, 2557, 3377
 VERTIGO: 810
 VESICOVAGINAL FISTULA: 3576
 VESTIBULAR APPARATUS: 4624
 VIBRATION: 450, 2694-2695
 VIBRIO COMMA: 298-299, 1459, 1548, 2083, 2143, 2808, 3341, 4179, 4664
 VINBLASTINE: 655, 1009, 1103, 1748, 2999, 3443, 3561, 4041, 4134
 VINCRISTINE: 830, 915, 985, 1248, 1376, 1692, 1801, 1974, 2050, 2271, 2284, 2290, 2394, 2559, 2637, 2686, 2843, 3135, 3187, 3514, 3561, 3735, 4134, 4158, 4241, 4374, 4384, 4660
 VINYL COMPOUNDS: 887, 2438, 3058, 3663, 4086
 VIOLENCE: 1008, 2022
 VIRAL PROTEINS: 1125, 1316, 4612

VIRAL VACCINES: 3977
 VIRILISM: 1778, 3349, 4192
 VIRUS CULTIVATION: 4612
 VIRUS DISEASES: 2271, 2890, 3321, 3334, 4312
 VIRUS REPLICATION: 1125, 3321, 4326, 4612
 VIRUSES: 1041, 3543
 VISCOSITY: 1923, 2961, 4047, 4343, 4453, 4598
 VISION: 3414, 3559
 VISION DISORDERS: 760, 2032, 2462, 4231, 4484
 VISION TESTS: 1118
 VISUAL ACUITY: 435, 734, 1118, 1397, 2032, 2144, 2462, 3969
 VISUAL CORTEX: 3596
 VISUAL FIELDS: 91, 524, 1118, 1499, 2032
 VISUAL PATHWAYS: 2172
 VITAL CAPACITY: 3554
 VITALLIUM: 4530
 VITAMIN A: 30, 130, 749, 832, 1186, 1229, 1555, 1738, 2682, 3065, 3400, 3984, 4033, 4066, 4185
 VITAMIN A DEFICIENCY: 1229, 2633, 3984, 4033, 4185
 VITAMIN B DEFICIENCY: 1204, 2633
 VITAMIN B 12: 440, 791, 1253, 1516, 1923, 2682, 2938, 3906, 4528
 VITAMIN B 12 DEFICIENCY: 1618, 4576
 VITAMIN D: 68, 204, 326, 387, 376, 593, 617, 706, 724, 728, 864, 950, 954, 1043, 1122, 1168, 1186, 1262, 1315, 1333, 1394, 1717, 1759, 1813, 1837, 2207, 2375, 2491, 2493, 2682, 3024, 3378, 3484, 3610, 3665, 3721, 3965, 4039, 4066, 4601, 4672, 4677, 4688, 4692-4693
 VITAMIN D DEFICIENCY: 204, 254, 324, 387-388, 572, 971, 1122, 1204, 1333, 1607-1608, 1813, 2497-2503, 2633, 3334, 3433, 3847, 4033, 4601, 4688, 4693
 VITAMIN E: 500, 1028, 1109, 1186, 2682, 3286
 VITAMIN E DEFICIENCY: 516, 1028, 2633, 3334
 VITAMIN K: 1186, 1784, 2682, 4677
 VITAMIN K DEFICIENCY: 2633
 VITAMINS: 30, 886, 1186, 1484, 2682, 3061, 3182, 4082, 4552
 VITELLINE MEMBRANE: 1373, 2240, 3793
 VITREOUS BODY: 435, 1397
 VOCAL CORD PARALYSIS: 1370, 4173
 VOCALIZATION, ANIMAL: 90-91, 125, 220, 2126
 VOICE: 625
 VOLES: 3199
 VOLUNTARY HEALTH AGENCIES: 4687
 VOMITING: 364, 810, 1150, 1470, 1793, 2418, 2788
 VON WILLEBRAND'S DISEASE: 4064
 VULVA: 119, 131, 2040, 2680
 VULVAR NEOPLASMS: 683

W

WAKEFULNESS: 464, 930, 3150, 3291
 WARFARIN: 2995, 3462, 4677
 WATER: 2, 49, 178, 852, 923, 1038, 1416, 1707, 1784, 1789, 1857-1858, 1874, 2724, 3292, 3490, 3818, 3931
 WATER DEPRIVATION: 252, 623, 1310, 1518, 1960, 2162, 3022
 WATER-ELECTROLYTE BALANCE: 54, 65, 355, 447, 484, 1443, 1545, 1665, 1811, 1857, 2203, 2325, 2392, 2406, 2534, 2727, 2788, 2994, 3031, 3128, 3143, 3293, 3325, 3540, 3657, 3694, 3764, 3806, 3958, 4011, 4067, 4179, 4202, 4331-4332, 4337, 4443, 4477, 4659, 4673
 WATER MOVEMENTS: 209
 WATER POLLUTANTS: 3007
 WATERHOUSE-FRIDERICHSEN SYNDROME: 1520
 WEANING: 303, 1774, 2014, 2909, 3046
 WEATHER: 3242
 WECHSLER SCALES: 2610-2611
 WEGENER'S GRANULOMATOSIS: 1953, 2777, 4311, 4724
 WHEAT: 2755
 WHOLE BODY COUNTERS: 740, 2180
 WOLFF-PARKINSON-WHITE SYNDROME: 2279
 WOLFFIAN DUCT: 3387
 WOMEN: 3898, 4728

WOOD: 3287
 WOOL: 681
 WORK: 288
 WORK SIMPLIFICATION: 3424
 WORLD HEALTH ORGANIZATION: 2584
 WOUND HEALING: 725, 763, 1929, 2156, 2497-2503, 2535, 2587, 3028, 3044, 3147, 3202, 3383, 3876, 3933, 4129, 4190, 4459
 WOUND INFECTION: 929, 2522
 WOUNDS AND INJURIES: 149, 2560, 3077, 3190, 3354, 3391, 4331, 4459
 WOUNDS, GUNSHOT: 2522
 WRIST: 110, 1837
 WRIST INJURIES: 875

X

X 537A: 2046, 3002, 3691, 4582
 XANTHINE DEHYDROGENASE: 750-751
 XANTHINE OXIDASE: 750, 1912
 XANTHINES: 847, 1582, 1587, 2128, 2136, 2329, 3602, 3691, 3710-3711, 4409, 4542
 XANTHURENATES: 30
 XENON: 1068
 XENOPUS: 402, 468, 1077, 1265, 2182, 2756, 3432, 4159, 4295, 4460, 4564, 4696
 XERODERMA PIGMENTOSUM: 2582
 XERORADIOGRAPHY: 49, 3603
 XEROSTOMIA: 1215
 X-RAY DIFFRACTION: 15, 530, 807, 1041, 1231, 2304, 3296, 4566
 X-RAY THERAPY: 1234
 X-RAYS: 127, 817, 1724, 1804, 2567, 3069, 3474, 4431, 4572
 XYLENES: 3910, 4527
 XYLITOL: 4359

Y

YEASTS: 3671
 YELLOW FEVER: 976
 YOHIMBINE: 4134
 YTTERBIUM: 974, 1985
 YTTRIUM: 2032
 YTTRIUM ISOTOPES: 2032, 4611
 YTTRIUM RADIOISOTOPES: 1929

Z

ZEARALENONE: 739, 3745
 ZINC: 314, 478, 510, 584, 1067, 1156, 1663, 2145, 2751, 2894, 3286, 3727, 3822-3823, 3894, 4177, 4525
 ZIRCONIUM: 4651
 ZOLLINGER-ELLISON SYNDROME: 136, 3156, 3450, 4056, 4440
 ZONA PELLUCIDA: 214
 ZYGOTE: 214, 2398, 2537, 3983, 4018, 4320
 ZYMOSAN: 742, 976, 3717

THE UNIVERSITY OF CHICAGO PRESS

AUTHOR INDEX

A

- Aarnoudse JG: 1166
 Aarskog D: 1300
 Abbosh J: 2352
 Abbou S: 1
 Abboud FM: 2689
 Abdel-Malek MT: 2
 Abdel-Raouf M: 3
 Abdin M: 1372
 Abe K: 4, 13
 Abe M: 3069
 Abel JH Jr: 53-54, 4125
 Abeln G: 2256
 Abeln GJ: 1214
 Abildgaard CF: 5
 Abinder AA: 3168
 Abou-Sabé M: 6-7
 Abouleish E: 8
 Abraham R: 1021
 Abraham S: 234
 Abrahamov A: 2856
 Abramian RA: 963
 Abramovici H: 3113
 Abrams DE: 4659
 Abrams HJ: 9
 Abramson DH: 10
 Abruzzo JL: 11
 Acciardo SR: 3256
 Acher R: 692-693
 Ackrill P: 12
 Acosta M: 2702
 Adachi I: 13
 Adadevoh BK: 3049
 Adam A: 14
 Adam G: 15
 Adam M: 16, 2125
 Adamian RK: 17
 Adams CE: 18
 Adams DD: 19-21
 Adams HR: 22
 Adams JS: 2566
 Adar R: 23
 Addington WW: 548
 Adeleye JA: 31
 Adelman RC: 3531
 Adelstein AM: 1566
 Adeniyi FA: 3049
 Adessi GL: 24
 Adie R: 25
 Adler WH: 3100
 Adlercreutz H: 26
 Afifi A: 2439
 Afinogenova SA: 4615
 Agarwal KN: 2340
 Agarwal MK: 27
 Agid R: 772
 Agmo A: 28
 Agodoa LC: 4244
 Agrawal SP: 2102
 Agren G: 3508
 Agthe O: 29
 Aguilar A: 2717
 Aguirre-García J: 4138
 Ahlouni K: 1611
 Ahluwalia BS: 1968
 Ahmad U: 3038
 Ahmed A: 3659
 Ahmed F: 30
 Ahonen A: 3197
 Ahonen P: 4532
 Ahrén K: 1984
 Aimaghu VE: 31
 Aire TA: 32
 Aisenbrey G: 2604
 Aivazov KG: 137
 Ajduković G: 33
 Ajika K: 34
 Ajmakorn S: 35
 Ajlouni K: 36-37
 Akaboshi S: 3831
 Akarhoshi Y: 4119
 Akbar AM: 2964
 Akbar M: 3443
 Akpokodje JU: 32
 Aksenova NG: 1956
 Aksentsev SL: 2225
 Alais C: 38
 Alanko K: 2336
 Alassandri R: 4015
 Alvarez E: 39
 Albala M: 4239
 Albanese AA: 40
 Albano JD: 1914, 1966
 Albert DM: 592
 Alberts C: 3956
 Albertsen J: 2073
 Albrarrán AJ: 2731
 Albrecht I: 1984
 Albrecht R: 41
 Alderdice MT: 4488
 Aleem FA: 42
 Aleksandrov PN: 3974
 Aleksandrow JS: 43
 Aleksandrowicz Z: 4097
 Alekseev OV: 1529
 Alekseeva AK: 3557
 Alekseeva LP: 3615
 Alexander NJ: 44
 Alexander RW: 45-46
 Alexander WD: 1868, 2407, 3139
 Alexandre P: 1456, 3541
 Alexandridis E: 47
 Alexanian R: 48
 Alexianu D: 133
 Alfidi RJ: 49
 Alfimov NN: 50
 Alfonso L: 2728
 Alford FP: 51
 Alfrey AC: 3292
 Ali MV: 2997
 Alimov GA: 117
 Aliushina AA: 900
 Allan D: 52
 Allen CF: 55
 Allen DJ: 3410
 Allen DT: 2854
 Allen GL: 1915
 Allen JC: 53-54, 3722, 4125
 Allen JP: 55
 Allen JR: 4340
 Allen RC: 56
 Allen W: 2277-2278
 Alleyne GA: 57
 Alliez B: 3111
 Allocca G: 3349
 Allsopp MN: 1913-1914
 Allwels C: 221
 Almén T: 58
 Almeyda JJ: 59
 Almind G: 2073
 Aloia JF: 60
 Alonso G: 61
 Alonso J: 3249
 Alpert S: 3852
 Alsever RN: 62
 Alston WC: 1649
 Alsum PB: 2996
 Altenähr E: 63
 Altissimi C: 64
 Altschule MD: 1290
 Altschuler CH: 65
 Altura BM: 66
 Alvarez-Cordero R: 67
 Alvarez Valero M: 1510
 Amakata Y: 4076
 Amano K: 3612
 Amano Y: 4571
 Amara F: 1976
 Amatruda JM: 2529
 Amelar RD: 1082, 1523
 Amer MM: 68
 Amer MS: 69
 Ameriks JA: 70
 Amery AK: 2480
 Amias AG: 71
 Amiel F: 73-74
 Amiel JL: 72
 Amiel S: 73-74
 Amin M: 75-76, 1146
 Aminoff MJ: 4533
 Ammann AJ: 4450
 Ammar-Khodja A: 77
 Amoss M: 564
 Anders B: 2413
 Andersen AE: 3537
 Andersen K: 2073
 Andersen RN: 1478
 Anderson G: 3376
 Anderson GB: 78
 Anderson GH: 4052
 Anderson GW: 79
 Anderson HJ: 2639
 Anderson IF: 3701
 Anderson J: 2980
 Anderson JB: 2146
 Anderson M: 4058
 Anderson PR: 1722
 Anderson R: 80
 Anderson RR: 81, 1706
 Anderson RT: 3206
 Anderson WA: 82
 Anderson WB: 83, 3158
 Anderson WL: 4651
 Andersson H: 84
 Andersson R: 85
 Andina R: 1407
 Ando K: 216
 Ando M: 3824
 Ando S: 862
 Andrada JA: 3546
 Andrashko VV: 86
 André LJ: 4179
 Andreassen B: 4285
 Andreeva M: 4258
 Andrejev NJU: 87
 Andreoli C: 88
 Andresen O: 89
 Andreu J: 2725
 Andrew RJ: 90-91
 Andriaslan ES: 92
 Andrieu JM: 2056
 Andriová C: 93
 Andronescu N: 898
 Andrus WS: 94
 Andy OJ: 95-96
 Angel MA: 4317
 Angelberger P: 4237
 Angeli A: 415
 Angellis D: 678
 Angelov A: 97
 Anina IA: 98
 Anisimov AI: 99
 Anisimov VN: 100
 Anoussakis C: 101
 Ans R: 4458
 Ansari AN: 148
 Ansell B: 102
 Anthony WL: 1905
 Antoku S: 103-104
 Anton E: 4403
 Antonova GA: 201
 Antony P: 105
 Antos M: 106-107
 Antunes-Rodrigues J: 108
 Anuman-Rajadhon Y: 109
 Aoiike I: 4118
 Aoki K: 2211, 2626
 Aoyagi H: 4
 Aparicio N: 638
 Aparicio NJ: 2796
 Apasov GN: 110
 Aplou F: 3549
 Appelman HD: 70
 Applebaum RM: 111
 Appleman MM: 112, 4156
 Aprile C: 1230
 Aprile JR: 113
 Aprison MH: 3936
 Arai Y: 114, 4086
 Arakelian RN: 115
 Araki Y: 2828
 Aranda M: 643
 Arapova SD: 2698
 Arbeiter K: 116
 Arbus GS: 1825
 Archakov AI: 117
 Archer DF: 2525
 Ardallou R: 1948
 Arendshorst WJ: 1278
 Arendt J: 118
 Aribarg A: 119
 Arlely E: 47
 Arimitsu T: 1951
 Arimura A: 120-121, 521, 822, 2096, 2992, 4046, 4380-4381
 Arisano H: 1961
 Arita J: 2117
 Ariyan S: 122

AUTHOR INDEX

Arizono H: 1960
 Arky RA: 3970
 Arlet J: 2375
 Armbruster H: 270
 Armiger LC: 123
 Armour J: 3409
 Armstrong D: 3889
 Armstrong WM: 1842
 Arnaud CD: 1121, 3689
 Arnold A: 124, 1210
 Arnold AP: 125
 Arnold EA: 172
 Arnold H: 126
 Arnold J: 127
 Arnold M: 127
 Arnold NI: 4115
 Arnot RN: 2032
 Arntzen FC: 128
 Aron C: 2000
 Aron-Rosa D: 1079
 Aronoff A: 2341
 Arquilla ER: 3953
 Arras B: 129
 Arras D: 2358
 Arroyave G: 130
 Arseculeratne SN: 131
 Arseni C: 132-133
 Arsenis C: 2156
 Arslanov MD: 134
 Arth GE: 3375
 Arthur JR: 135
 Aruin LI: 136
 Arushanian EB: 137
 Arya M: 1039
 Arya SK: 138
 Asakawa T: 1824, 4084
 Asano M: 4426
 Asano T: 1802
 Ascari E: 4049
 Aschkenasy: 3987
 Aschkenasy A: 139
 Asfora J: 140
 Ash R: 185
 Ashenhurst EM: 557
 Ashida K: 2930
 Ashley RL: 4612
 Ashman M: 827
 Ashton BA: 1836
 Asmal AC: 2390
 Aso T: 141
 Assaf R: 142
 Assalri L: 143
 Assaykeen TA: 4137
 Assenmacher I: 352
 Astedt B: 144-145
 Atakhanova BA: 4274
 Atalay A: 146
 Atansasov A: 3389
 Athouel-Haon AM: 2792
 Atkins D: 147
 Atkins HL: 148, 3105
 Atkinson DC: 149
 Attah EB: 1968
 Attanasio A: 1626
 Attman PO: 150
 Atuk NO: 4249
 Aubert P: 1618
 Auchterlonie WC: 2457
 Audebert A: 1921
 Auer HE: 3008
 Auerbach R: 662, 3857
 August PJ: 4004
 Augustin J: 1819
 Aungst CW: 151
 Auqueler L: 152
 Aurbach GD: 153, 2660
 Aušková M: 3435
 Austad WI: 154
 Avenarius I: 155
 Avery GS: 508
 Avery ME: 1224
 Avramides A: 4437
 Avramov I: 2854
 Awitti-Sunga SA: 156
 Ax RL: 4470
 Axelrod J: 3504, 3572
 Axelrod LR: 3788
 Axelsson M: 3775
 Axt R: 4387
 Ayachi S: 1687

Ayyar DR: 1299
 Azhar S: 157
 Azizi F: 158-159
 Aznar Reig A: 3119
 Azukizawa M: 160, 1421, 2825
 Azuma H: 2721

B

Baardsen A: 161
 Baba Y: 1883
 Babasian OV: 964
 Babichev VN: 162, 3274
 Babinet P: 1545
 Babinskala LN: 311
 Babler JH: 3058
 Bablok L: 163, 860
 Baccella L: 1230
 Bacci E: 164
 Bach CH: 4231
 Bach FH: 2057
 Bach JF: 165-166
 Bach MA: 165-166
 Bachmanova GI: 117
 Backhouse J: 2749
 Bacolla D: 2911
 Bacon GE: 167
 Bacon PA: 168
 Bacopoulos NG: 169
 Badach L: 4307
 Badano AR: 638
 Badano H: 638
 Bădescu I: 876-877
 Badia Flores JJ: 170
 Badr FM: 171
 Baer PG: 355
 Bagdan' Sh: 292
 Baghdassarian A: 172
 Baginskala NV: 256
 Bagratuni BE: 173
 Baguena J: 3249
 Baguet F: 174, 2681
 Bahemuka M: 175
 Bahl OP: 287, 3126
 Balcer R: 259
 Bailey AJ: 176
 Bailey DR: 177
 Bailey E: 178
 Bailey I: 2637
 Bailey JD: 1636
 Bailey JR: 179
 Bailey RB: 180
 Bailey RP: 181
 Bailie MD: 182
 Bailod RA: 2855
 Baifmanova KhM: 183
 Baird CE: 4502
 Baird DT: 184, 2709, 4339
 Baird GD: 185
 Baird PJ: 1223
 Bajpayee DP: 186
 Bak V: 187
 Baker BS: 188
 Baker CE: 189
 Baker GT 3d: 3648
 Baker JC: 1361
 Baker JR: 190
 Baker PC: 1831
 Baker TG: 191, 1916
 Baker TS: 1200
 Bakewell WE Jr: 1155
 Bakhle YS: 283
 Bakker HR: 192
 Baksheev NS: 193
 Bakyrzhiev D: 1602
 Bala IuM: 194
 Balabajewa L: 195
 Bălan G: 1728
 Balasubramaniam V: 196
 Balch CC: 1714
 Balchum OJ: 1827
 Baldessarini RJ: 1708
 Baldet L: 1976
 Baldi A: 4042
 Baldoni F: 4132
 Baldwin KM: 4553
 Baldwin RL: 2552
 Balıček P: 4662
 Balikian HM: 771

Ball EM: 4162
 Ball P: 197-198, 2206
 Ballard FJ: 199
 Ballas M: 200
 Bal'magila TA: 201
 Balnave D: 202-203
 Balogh A: 448
 Balsan S: 204
 Balshin M: 587
 Baltimore D: 2305
 Baltus E: 468
 Balzer K: 425-426
 Bamji MS: 30
 Ban T: 3832
 Banerjee MR: 4162
 Bánhidi L: 4116
 Baniukiewicz S: 205
 Bankova VV: 206
 Banks L: 712
 Banks W: 207
 Banner BL: 767
 Bannerman RM: 208, 1135
 Bantock CR: 209
 Baptista AM: 756
 Bar A: 1129
 Bär HP: 210, 3883
 Bar RS: 211
 Bara G: 212
 Baraban JM: 382
 Barabino A: 3499
 Baragar FD: 2663
 Barannikova LA: 213
 Barańska H: 1963
 Barańska W: 214
 Barasi S: 215
 Baráth P: 844
 Barb CR: 2257
 Barbeau A: 216-217, 581
 Barber HE: 848
 Barber S: 234
 Barberini P: 64
 Barbi G: 3283
 Barbour JA: 182
 Barceló P: 3772
 Barchas JD: 218
 Barcikowski B: 171
 Bard M: 235
 Barden N: 315, 2329
 Bardin CW: 3690
 Bareicha I: 219
 Bareta J: 65
 Barfield RJ: 220, 3695
 Barkai A: 221
 Barker CF: 3206
 Barker DJ: 1396
 Barley J: 222
 Barlow JJ: 3258
 Barnard T: 4610
 Barnea A: 2476
 Barnes CS: 223
 Barnes E: 847
 Barnes GD: 1914
 Barnes JS: 2106
 Barnes PJ: 224
 Barnes RH: 2452
 Barols A: 1545
 Baron C: 2328
 Baron JM: 1433
 Barreca T: 3499
 Barrett JC: 3601
 Barrett JD: 1112
 Barros C: 225
 Barrowman JA: 226
 Barry BW: 227-228
 Barry PS: 229
 Barsky EL: 230
 Bartels PC: 231
 Barth PG: 232
 Barth T: 1987-1988
 Barth V: 233
 Barthelemy R: 73-74
 Bartholomew BA: 3943
 Bartke A: 171, 1709
 Bartl R: 277
 Bartley JC: 234
 Barton DH: 235
 Bartsch G: 236
 Bartter FC: 4444
 Barwick DD: 1299
 Barylak A: 2255

AUTHOR INDEX

- Barzel US: 237
 Baseer A: 238
 Bashirelahi N: 239
 Bashor MM: 1058
 Bashore RA: 3950
 Basler M: 425
 Bass DA: 240
 Bass E: 241
 Bassett DJ: 4012
 Bassett JR: 242, 3277
 Bastiani P: 882
 Bastien H: 2190
 Bastin R: 2152
 Basu P: 243
 Basurto CS: 800
 Batbouta JC: 3820
 Batrinos M: 2587
 Batt AM: 3864
 Battaglia FC: 3429, 3517
 Battagay R: 1731
 Battista AF: 2475
 Bätzner K: 244
 Baudouin-Legros M: 245
 Baudry M: 2719
 Bauer K: 246
 Baum CK: 247
 Baum JK: 248
 Baum MJ: 249, 4411
 Baum T: 250
 Bauman DE: 2764
 Bauman JE: 3460
 Baumann G: 251
 Bauminger S: 2476, 2936
 Baverstock PR: 252
 Baviera E: 152
 Bawden JW: 253
 Baxter JD: 3976
 Baxter LA: 254
 Baxter RB: 851
 Bay WH: 4011
 Bayard F: 172, 1106, 3548
 Baylé JD: 3054
 Baylink DJ: 2678, 3817
 Bazarevich FlA: 255
 Bazhenova AF: 256
 Bazin M: 257
 Bazzell KL: 1582
 Beacham IR: 3238
 Beahrs OH: 3622
 Beal DD: 258
 Beals RK: 1666
 Beard RW: 4058
 Beato M: 259-280, 550
 Beaton GR: 261
 Beauduin P: 2347
 Beaule JM: 262
 Beaumont A: 3405
 Beaumont JE: 283
 Beaven MA: 2084
 Beavo JA: 264
 Bech K: 265
 Bechtel PJ: 264
 Bechyně K: 2293
 Beck JC: 1836
 Beck JS: 4613
 Beck LR: 440
 Beck N: 266-267
 Beck P: 2650
 Becker B: 610-611
 Becker D: 268
 Becker H: 269
 Becker JE: 2191
 Becker KL: 3875
 Beckerhoff R: 270
 Beckett PGS: 3886
 Beckman GJ: 2141
 Beckman L: 271
 Bedford CA: 1740
 Bedford JM: 272
 Bednář J: 273
 Bednorz W: 4586
 Beek V van: 2256
 Beeker M: 4641
 Bégin-Helck N: 274
 Begley G: 2349
 Behar-Banneller M: 2045
 Behm CA: 275
 Behrendt B: 2412
 Behrman HR: 1805
 Behrman RE: 276
 Bell E: 277
 Beilin LJ: 3330
 Belich BR: 278
 Belich I: 278
 Bekers AD: 4063
 Bektemirov TA: 4646
 Belaiche J: 653
 Belaisch J: 279
 Belamarich FA: 3820
 Bélanger A: 2329
 Belchetz PE: 262
 Belen'ki' KR: 280
 Belen'ki' MA: 281
 Bell AM: 282
 Bell C: 283
 Bell J: 284
 Bell L: 2540
 Bell PM: 2300
 Bellamy D: 2860
 Bellavia J: 4437
 Belleville F: 285
 Bellinger LL: 286
 Bellini-Cardellini L: 2572, 3280
 Bellisario R: 287
 Bellows AR: 734
 Belousov VV: 50
 Belova TA: 288
 Belozertsev IuA: 137
 Beltrán Giner A: 4377
 Belugina ZT: 289
 Ben-Galim E: 2856
 Ben-Menachem Y: 1502
 Ben-Or S: 1000
 Ben-Yaakov M: 290
 Benchimol S: 607
 Bencúr JM: 2857
 Bender HG: 291
 Bené T: 292
 Benedettelli L: 2551
 Bengmark S: 2919
 Bengtsson U: 150
 Benisty H: 1746
 Benjamin SA: 293
 Bennet P: 1106
 Bennett A: 226, 294-295
 Bennett B: 4025
 Bennett CM: 296
 Bennett CT: 297
 Bennett JE: 3667
 Bennett V: 298-299
 Bennett WM: 3293
 Benoit HJ: 300
 Bensadoun A: 754
 Bensch R: 3338
 Bensoussan D: 301
 Bentley GA: 3434
 Bentley-Phillips B: 302
 Benuck I: 303, 1440
 Benveniste R: 284
 Benz JJ: 304
 Beobachtungen K: 305
 Berchek JR: 321
 Berchtold R: 3366
 Bercovici JP: 306
 Berdyshev GD: 307
 Beresford HR: 1042
 Berg A: 308
 Berg HC: 309
 Berg T: 310
 Bergadà C: 3196
 Bergamaschi M: 658
 Bergamini E: 736
 Bergen D: 2187
 Berger A: 4485
 Berger EC: 1014
 Berger EN: 311
 Berger M: 312, 1790, 3095
 Berger MJ: 313
 Berger ML: 314
 Bergeron L: 315
 Bergman RK: 316
 Bergman S: 271
 Bergsjo P: 317
 Bergström S: 1849
 Berk JL: 318
 Berli RR: 638
 Berlyne GM: 1470
 Berman AJ: 505
 Berman E: 2942
 Berman M: 3416, 3483
 Berman ML: 2113
 Berman P: 319
 Bermudez JA: 320
 Bernard BK: 321
 Bernard EA: 322
 Bernard Rosner BA: 3852
 Bernardi F: 589, 737
 Bernasconi S: 323
 Bernat M: 324
 Bernheim J: 325-327
 Berns AS: 548
 Bernstein R: 328
 Berridge MJ: 329
 Berry D: 2947
 Berry LJ: 330
 Berry MS: 331
 Berryman FC: 332
 Bertaglia A: 333
 Berthelay S: 334
 Berthelot: 2783
 Berthillier G: 1347
 Bertoni P: 434
 Bertoye A: 1091
 Bertsch W: 4316
 Beserab A: 1178
 Besley GT: 335
 Bessent RG: 740
 Besser GM: 1199, 1454
 Bessesen A: 4034
 Besset A: 336, 1187
 Best JB: 337
 Bethlem J: 232
 Bettendorf G: 2412
 Betts F: 3296
 Betuel H: 984
 Betz B: 2691
 Betz G: 3738
 Betz J: 338
 Betz TW: 339
 Beumont P: 340
 Beumont PJ: 341
 Bevan P: 342
 Bevilacqua G: 343
 Bewley TA: 344-345
 Beysens AJ: 4327-4328, 4328
 Bezin GI: 346, 2159
 Bezuglova TV: 347
 Bezverkhala TP: 1139-1140
 Bhagat B: 348
 Bhalla SC: 349
 Bhansali KG: 350
 Bhaskar KR: 351
 Bhatnagar RK: 169
 Bhattacharya SK: 1446
 Bhattacharyya TK: 352
 Bhattacharjee P: 353
 Bhavanandan VP: 354
 Bhide SV: 2158
 Bhoola KD: 2423
 Bianchi G: 355
 Bias WB: 3463
 Biccoca C: 638
 Bicknell DC: 356
 Bicknell RJ: 357
 Bideon GM: 358
 Biebuyck JF: 930
 Bieglmayer C: 359
 Blehl ER: 1550-1551
 Bleler EU: 360
 Blélińska M: 361
 Bienfang DC: 734
 Bieniek H: 2979
 Bierbower GW: 3090
 Bieri VG: 362
 Bigdeli MG: 363
 Bigelow B: 4446
 Bigelow LL: 1290
 Biggs JS: 364
 Bigun AV: 365
 Bigwood EJ: 366
 Bijvoet OL: 989
 Bikle DD: 367-368
 Bilcik P: 369
 Bilder GE: 968
 Bilek MK: 1280
 Bilenko MV: 370
 Bilic N: 3613
 Billiar RB: 2871
 Billiard M: 371
 Billing B: 1507

AUTHOR INDEX

- Bilton RF: 224
 Bimes C: 73-74
 Bindeballe W: 372
 Binder PS: 373
 Bindon BM: 374, 1810
 Bindoni M: 2051
 Bines JA: 1714
 Binet A: 375
 Bini P: 433
 Binswanger U: 376, 1281
 Birch CA: 377, 3879
 Birchwood B: 378
 Bird KT: 94
 Birdsall NJ: 4457
 Birk J: 1860
 Birkenhäger JC: 2346
 Birkhäuser M: 379
 Bisbocci D: 415
 Bischel MD: 4659
 Bischoff D: 1540
 Bishara RH: 1025
 Bishop GA: 380
 Bishop VS: 631
 Bissada NK: 3398
 Biswas BB: 381
 Bitensky L: 1454
 Bitensky MW: 382
 Bitsko MA: 383
 Bjersing L: 271
 Björkhem I: 384
 Björkholm M: 3606
 Black JB: 738
 Black PH: 3321
 Black WD: 3256
 Blackstone S: 385
 Blackwell RJ: 386
 Blahoš J: 1063
 Blahošová A: 2960
 Blair CM: 1083
 Blair T: 387
 Blair West JR: 337
 Blajer S: 2213
 Blake CA: 388
 Blake LC: 2510
 Blanc B: 38
 Blanco J: 3808
 Bland KI: 834
 Blaquier J: 389
 Blaquier JA: 390
 Blaschko H: 391
 Blask DE: 3415
 Blass EM: 3185
 Blau N: 392
 Blaustein A: 393
 Blaustein MP: 394
 Bleasel K: 395
 Blecher M: 396, 1505
 Bleich H: 826
 Bleick CR: 397
 Bleier R: 398
 Bleifuss JH: 4244
 Blend MJ: 399
 Blendstrup K: 400
 Blichert-Toft M: 401
 Bliesener JA: 4500
 Blinks JR: 402
 Blizzard DA: 403
 Blizzard RM: 2403
 Bloch A: 404
 Block MA: 405
 Block MB: 406
 Block S: 2527
 Blokhina NG: 2091
 Blom J: 3187
 Blomfield J: 889
 Blomgren H: 407
 Blomqvist CG: 4592
 Blondel B: 3804
 Bloodworth JM Jr: 4658
 Bloom FE: 408, 2940
 Bloom SR: 409-410
 Blum C: 4362
 Blum I: 411
 Blum JW: 1281
 Blum M: 412
 Blumberg JB: 413
 Blümcke S: 829
 Blume KG: 126
 Blumenthal NC: 3296
 Blumgart L: 740
 Boaz DP: 4009
 Boaz TG: 1303
 Bobek S: 414
 Boccuzzi G: 415
 Bock KD: 416, 829
 Bockaert J: 1987-1988
 Böcker W: 2477
 Boddin M: 417
 Bodin NO: 418
 Bodnaryk RP: 419
 Bodrogi L: 1238
 Boe J: 420
 Boecker BB: 293
 Boegman RJ: 4575
 Boer GJ: 421
 Boer P: 1443
 Boesel RW: 3788-3789
 Bogaars HA: 2064
 Bogardus CR Jr: 3617
 Bogatskala LN: 1345
 Bogdanoff BM: 3993
 Bogdanov AP: 422
 Bogdanove EM: 423
 Bogutaro DG: 2545
 Bohnensack R: 2436
 Bohnet HG: 2134
 Bohr DF: 1569
 Bohus B: 424, 4347
 Bojar H: 425-426
 Bökesoy TA: 1180
 Bolling JA: 2099
 Bolltho GA: 427
 Bolltho O: 428
 Bolletti M: 333
 Bol'shakova MK: 1234
 Bolt HM: 429
 Bolt M: 429
 Bolton CH: 430
 Bolton NJ: 1671
 Bolton TB: 431
 Bolufer P: 3249
 Bolund L: 1768
 Bombera G: 843
 Bomboy JD: 1823
 Bommer J: 432
 Bompiani A: 1393
 Bona G: 2911
 Bonardet A: 336, 1187
 Bonardi L: 1256
 Bonch-Osmolovskaya EA: 230
 Bond PA: 178
 Bondy PK: 3302
 Bonenti G: 433
 Bonera E: 434
 Bonino F: 4365
 Bonjour JP: 254
 Bonk U: 3026
 Bonnafous JC: 444
 Bonnet M: 435
 Bonta IL: 1326
 Bonting SL: 1693, 2143, 4412
 Bonucci E: 436
 Boor PJ: 437
 Booth JE: 438
 Boothroyd B: 439
 Boots LR: 440, 2286
 Boquet E: 3279
 Boranić M: 441
 Borbola J: 1311
 Borchardt RT: 442
 Bordier J: 1121
 Bordier P: 1315
 Borek E: 3802
 Borg KO: 418
 Borgaonkar DS: 172, 1174
 Borgeat P: 443, 2329
 Borgna JL: 444
 Boriboon K: 695
 Borman LS: 445
 Börner W: 446
 Bornet H: 3095
 Boronow RC: 3030
 Borrello G: 447
 Borsos A: 448
 Borth R: 300
 Borthwick R: 1331
 Bortolussi M: 865
 Boscherini B: 628-629
 Bosello O: 449
 Boshier DP: 450
 Boskey AL: 3296
 Bossolo P: 1257
 Bossuyt A: 961
 Bost M: 2657
 Bosu WT: 451
 Bosu WTK: 2010
 Bösze P: 2373
 Botalla L: 718
 Botto E: 4042
 Botvin'ev OK: 452
 Botz LD: 1227
 Bouchard G: 453
 Bouchard M: 4660
 Boudreaux D: 2290
 Boué A: 454
 Boué J: 454, 1476
 Bouillon D: 4297
 Boullin DJ: 455
 Boulter D: 3644
 Boulter PR: 3970
 Boulton-Jones JM: 2528
 Boumghar M: 456
 Bourassa M: 274
 Bourgeois JM: 457
 Bourne HR: 458
 Bousquet MO: 143
 Bousser J: 4660
 Bouyard P: 2779
 Bovill EG: 1027
 Bowden PE: 792
 Bowen JC: 459
 Bowen JM: 1041
 Bowen P: 460
 Bower A: 1650
 Bowers CY: 883
 Bowler J: 461
 Bowman WC: 462
 Boxley JD: 463
 Boyar RM: 464
 Boyd GS: 135
 Boyd JE: 3108
 Boyd TA: 465
 Boyde A: 3176
 Boye NP: 466
 Boyer SH: 3865
 Boyet F: 3191
 Boynton AL: 2627
 Boyse EA: 608, 3687
 Bozadzheva E: 467
 Bozduganov: 97
 Braae M: 2073
 Brabencová H: 2960
 Brace AR: 228
 Brachet J: 468
 Bradley E: 1513
 Bradshaw CM: 342, 469
 Brady AJ: 2359
 Bradyová N: 1878
 Brain PF: 470-471, 1193
 Braithwaite GD: 472
 Braman SS: 473
 Bramble FJ: 474
 Bramwell GJ: 475
 Brancati A: 2941
 Brandenberger G: 476
 Brandi A: 3192
 Brandi AM: 3194
 Brandner M: 1666
 Brandriff B: 477
 Brandt G: 478
 Brandt L: 479, 2843
 Brănișteanu DD: 1728
 Branson RE: 480
 Brard E: 3614
 Brase DA: 481, 1820
 Brashear RE: 1132
 Bratvnik GV: 3270
 Brauman H: 961
 Braun T: 482
 Braunsberg H: 483
 Braverman LE: 158-159
 Bravo EL: 484
 Bray MA: 485
 Brazdă I: 1728
 Breen GA: 486
 Breese GR: 487-489
 Breg WR: 490
 Brenn: 491
 Brenner PF: 492
 Brenner WE: 1024

AUTHOR INDEX

Brent RL: 2240
 Bresták M: 4073
 Breton B: 493-494
 Bretschneider HJ: 3984
 Breuer H: 1846, 1874, 3372
 Breuer W: 587
 Breuiller M: 1259
 Brezina K: 495
 Briand P: 3709
 Bricaire H: 496-497
 Bricaud H: 868
 Bricker LA: 606
 Bridges RS: 498
 Briggs DM: 499
 Briggs JD: 3163
 Briggs M: 500
 Brigham KL: 501
 Brin EN: 502
 Brink HO: 753
 Brion M: 503
 Briseid K: 128
 Britton S: 504
 Brockway GO: 4320
 Brodkey JS: 780
 Brodner RA: 505
 Brodows RG: 506
 Brodwall EK: 3076
 Brogan WF: 507
 Brogden RN: 508
 Bromage NR: 509
 Bromer W: 510
 Bronstein M: 2331
 Brooker G: 511
 Brookes LG: 512
 Brookes M: 513
 Brookes PH: 2609
 Brooks BA: 178
 Brooks CM: 514
 Brooks SC: 1488
 Brooks SN: 601, 3223
 Bross W: 515
 Brossmer R: 1623, 1711, 3164, 4582
 Brostoff J: 3554
 Brot FE: 3925
 Broughton JM: 3081
 Broustet JP: 868
 Brown BL: 1914, 1966
 Brown CL: 262
 Brown DH: 1219
 Brown DM: 4008
 Brown DR: 4280
 Brown EH: 4558
 Brown GM: 1401
 Brown JA: 3847
 Brown JB: 2626, 3198
 Brown JH: 516, 2648
 Brown JJ: 3031, 3163
 Brown JK: 4280
 Brown L: 517
 Brown MP: 518
 Brown MS: 519
 Brown P: 3595
 Brown PS: 3787
 Brown RD: 3375, 3759
 Brown RG: 520, 1553
 Brown RR: 2417
 Brown-Woodman PD: 3300
 Brownlie BE: 4278
 Brownstein M: 521
 Brownstein MJ: 522
 Brownstein RA: 3861
 Brownstein S: 523
 Brubaker RF: 524
 Bruce NW: 525
 Brückner JB: 526
 Brudenell M: 527
 Brudzińska-Charewicz S: 528, 4653
 Brudziński S: 3502
 Bruguerolle B: 2779
 Bruk GZ: 900
 Brulles A: 616, 2725
 Brumbaugh PF: 529
 Brumberger H: 530
 Brummel MC: 4009
 Brummer P: 531
 Brunel M: 152
 Brünner H: 2952
 Bruns TN: 532
 Bruntsch U: 3735
 Brus R: 533

Bruschettini FL: 3771
 Brush MG: 534
 Brutar V: 4073
 Bruwer J: 340
 Bryan GT: 258, 4448
 Bryant BJ: 535
 Bryant C: 275
 Bryant GD: 536
 Bryce GF: 537
 Buchali K: 538
 Buchanan WW: 2145-2146
 Buchancová J: 539
 Buchanec J: 539
 Buck SH: 4599
 Buckholtz: 540
 Buckholtz NS: 541
 Buckingham JM: 542
 Buckland RA: 1533-1534
 Buckley JT: 543
 Buckley NM: 2360
 Buckwalter JA: 544
 Bucy JG: 2971, 3460
 Buczek W: 545
 Buda RE: 1831
 Budras K-D: 546
 Budtz-Jørgensen E: 547
 Bueding E: 3491
 Buehler JH: 548
 Buell JR: 2351
 Buencuerpo J: 1466
 Buffet C: 1189
 Buffler G: 549
 Bugany H: 550
 Buglak NI: 1139
 Bugnon C: 551
 Buhl WS: 3973
 Bühler FR: 4436
 Buls AJM: 2031
 Bukhman AI: 552, 1234, 2259
 Bukin IuV: 553
 Bukovsky I: 640
 Bukowska D: 528
 Bukulya B: 4002
 Bulanova LV: 2646
 Bulgarelli R: 554
 Bull MJ: 1242
 Bullock J: 592
 Bulmer WS: 555
 Bul'on VV: 4638
 Bumpass LL: 556
 Bumpus FM: 2906
 Bunday SE: 557
 Bundy GL: 556, 2635, 2993
 Burckhalter JH: 3899
 Burday M: 7
 Burden DT: 559
 Burdett PE: 1668
 Burdick KH: 3082
 Bureau JP: 560
 Bures AR: 1949
 Burford GD: 561
 Burgener F: 4489
 Burger EH: 562
 Burger HG: 3198
 Burgess D: 2867
 Bürgi H: 2226
 Burgoyne PS: 563
 Burgus R: 564
 Burian K: 565
 Buřić L: 1009
 Burk MW: 2622
 Burke CW: 2032, 3404
 Burke G: 755, 3443
 Burkhardt R: 566
 Burkholder PM: 2057, 4658
 Burmeister P: 567
 Burns JM: 568
 Burns TW: 569
 Burroughs R: 3745
 Burroughs W: 570
 Burrow GN: 3364
 Bursztejn C: 571
 Burton JL: 572
 Burton P: 2760
 Burton RD: 3207
 Burukovskii RN: 573
 Burzawa-Gerard E: 574
 Burzio LO: 575-576
 Bush M: 577
 Bussel A: 3631

Bustos S: 2623
 Butcher FR: 578-579, 1210
 Butcher RW: 2136
 Butler AG: 3937
 Butler LJ: 3628
 Butler WR: 580
 Butt WR: 3809
 Butterfield H: 1627
 Butterworth CE Jr: 2286
 Butterworth RF: 581
 Buttolo Q: 2686
 Buus O: 582
 Buyse M: 583
 Byers PH: 2712
 Bygrave FL: 3402
 Bykovskii AF: 4646
 Byon KY: 1295
 Byrne AR: 584
 Byrne JJ: 585
 Byrne PA: 586
 Bystrova IuA: 289

C

Cabantchik ZI: 587
 Cabo SL: 588
 Cacciari E: 589, 737
 Caddell JL: 586, 590
 Cade IS: 591
 Cadilhac J: 61
 Caen J: 301
 Caen JP: 3419
 Cafaro AF: 65
 Cafaro JR: 65
 Cahalane S: 1248
 Cahill C: 4514
 Cain P: 887
 Caine R: 592
 Caird FI: 593
 Cairncross KD: 242, 3277
 Cairnie AB: 1701
 Cajalba AC: 349
 Calaresu FR: 594, 1208
 Calas A: 352
 Calatola P: 2746
 Calderón P: 595, 4138
 Caldeyro-Barcia R: 1800
 Caldwell J: 596
 Callantine MR: 753
 Callard GV: 597-598, 2377
 Callard IP: 598, 2377
 Calleri W: 2726
 Camacho Meneses A: 1510
 Cambie RC: 599
 Cameron EH: 3643
 Cameron J: 3632
 Camilleri JP: 4150
 Camilleri JP: 1921
 Campbell GT: 423
 Campbell H: 667
 Campbell IW: 600
 Campbell RG: 506
 Campbell WB: 601, 3223
 Campese VM: 602
 Campkell PE: 889
 Campo S: 1393
 Campos MS: 603
 Canales ES: 4633-4634
 Cane EM: 604
 Canick JA: 605
 Canivet J: 301
 Canlorbe P: 690
 Cannelakis ZN: 4172
 Cantafio S: 835
 Cantaluppi A: 3283
 Canterbury JM: 606
 Cantin M: 607
 Cantor H: 608
 Cantor HE: 2847
 Cantraine FR: 609
 Cantrill HL: 610-611
 Canut JA: 612
 Canzler E: 613
 Capito K: 614, 1123
 Capling G: 2441
 Cappelaere P: 615
 Capská J: 4073
 Caralps A: 616-617, 2725
 Caranto M: 3144

AUTHOR INDEX

- Cararach J: 643
 Cararach V: 643
 Cardeman L: 618
 Cardiff RD: 4612
 Cardinali DP: 619-621
 Cardoso SS: 841
 Carella C: 2815
 Carenfelt C: 622
 Carey RJ: 4332
 Carlier G: 974
 Carlisle HJ: 623
 Carlo Stella N: 2708
 Carlson DE: 3702
 Carlson DM: 3260
 Carlson KE: 2108
 Carlson LA: 624
 Carlson R: 625
 Carlson SJ: 1321
 Carlsson A: 626
 Carlton WW: 2599
 Carney JD: 1348
 Caroli J: 1746
 Carpenter CC: 1615
 Carpenter G: 627
 Carratù A: 628-629
 Carretero OA: 1619
 Carrick FN: 630, 1911
 Carrier GO: 631
 Carrière JP: 1105
 Carrmicheal SW: 632
 Carrozzi O: 4630
 Carseldine DB: 4432
 Carson MP: 3820
 Carsten ME: 633
 Carter AC: 634
 Carter JN: 635
 Carter JR Jr: 636
 Carter RL: 4513
 Carter RP: 1778
 Carter WJ: 637
 Cartwright EC: 889
 Caruso A: 1393
 Carvalho WM: 349
 Casas PR: 638
 Casavola V: 855
 Casey GA: 639
 Casey JH: 635, 1276
 Casiroia G: 4049
 Casnellie JE: 2658
 Caspi E: 640
 Casquejo C: 695
 Cassar J: 641
 Cassone MC: 642
 Castagna M: 3121
 Castellanos JM: 643
 Castells S: 644
 Castro A: 2664
 Castro AE: 1661
 Castro GA: 2017
 Castro JE: 645
 Castro JH: 646
 Castro L: 647, 657
 Castro M: 648
 Cataldo C: 2792
 Catania R: 649
 Catchpool F: 3218
 Catenazzo G: 650
 Caterini H: 4218
 Catsoulacos P: 4571
 Catt KJ: 651, 1086-1087, 1334
 Cattabeni F: 652
 Cattani D: 653
 Cattell WR: 2991
 Cavalli-Sforza LL: 864
 Cazaubon C: 444
 Cazenave JP: 1567
 Cedard L: 1259
 Ceglia E: 3283
 Celińska: 860
 Cekan Z: 141
 Cekański A: 654
 Cénac A: 655
 Cerasi E: 656, 1587
 Cerasola GA: 1367
 Ceresa F: 415
 Ceretelli LA: 2545
 Cerilli J: 79
 Cerný V: 4305
 Cerutti S: 1383
 Cervantes LF: 657
 Cervenka J: 1880
 Cervi-Skinner SJ: 392
 Ceserani R: 658
 Cha CM: 659
 Cha S: 659
 Cha R-W: 2235
 Chabin A: 257
 Chachaj W: 660
 Chadwick A: 1671
 Chadwick AC: 661, 1672
 Chae C-B: 1589
 Chaignon M: 1613
 Chakraborty J: 1176, 2028
 Chakraborty R: 897
 Chakravarti S: 527
 Chakravarty A: 662
 Chaline G: 3243
 Chalkley S: 2702
 Challand GS: 663, 3379
 Challoner S: 664-666
 Chalmers I: 667
 Chalmers JP: 4554
 Chalmers TM: 668
 Chambers TL: 669
 Chambers VE: 670
 Chambosse A: 3095
 Chamley WA: 671
 Chamorro Romero JL: 1015
 Chan AW: 672
 Chan JC: 673
 Chan KH: 674
 Chan ST: 675
 Chan SW: 598
 Chan V: 676
 Chanal J: 3329
 Chandler HL: 915
 Chandler JA: 2751
 Chandler JW: 373
 Chandra RK: 677
 Chandra SV: 3892
 Chang CH: 678
 Chang HH: 679
 Chang LC: 890
 Chang M: 699
 Chang MC: 3591
 Channing CP: 680, 4254
 Chantres MT: 1466
 Chaplin H: 2586
 Chaplinskala VI: 1620
 Chapman LF: 3620
 Chapman RE: 681
 Chapman WL Jr: 682
 Chaput A: 503
 Chaput JC: 1189
 Chard T: 3404
 Charkviani LI: 683
 Charles JF: 306
 Charles JM: 684
 Charlier M: 685
 Charney A: 1178
 Charreau EH: 4042
 Chart JJ: 4017
 Chase TN: 3846
 Chateau D: 3522
 Chatterjee A: 686
 Chaud-Netto J: 687
 Chaudhuri G: 688
 Chaudhuri RR: 689
 Chaussain JL: 690
 Chauvel PJ: 691
 Chauvet J: 692-693
 Chauvet MT: 692-693
 Chavigny KH: 694
 Chaviné J: 1775
 Chavinié J: 1776
 Chawla RK: 3553
 Chayen J: 1454
 Chayoth R: 975
 Chcińska Z: 4021
 Cheban AK: 1140
 Chęcińska E: 4021
 Chęcińska Z: 515, 4585-4589, 4587
 Chen C: 2397
 Chen DM: 999
 Chen G: 3718
 Chen H: 695
 Chen JJ: 403
 Chen RW: 696-697
 Chen SS: 698
 Chen W: 699
 Chen WL: 2282
 Cheng S-L: 4060
 Chepenik DP: 1120
 Chernak ES: 49
 Cherniaeva AI: 700
 Chernitskil EA: 2225
 Chernoff AK: 701
 Chernoff N: 702
 Chernukh AM: 1529
 Chernukha EA: 703-704, 3079
 Chernyshev VN: 705
 Chernyshov VP: 1957
 Chersevani R: 866
 Chesney RW: 706
 Chesnokov VN: 707
 Chesnut CH III: 2678
 Chester RV: 708
 Chetverukhin VK: 281
 Chevrier JP: 709
 Chia WK: 710
 Chiasson RB: 3344
 Chiba C: 3831
 Chieffelle TL: 293
 Chieffl G: 1036, 3377
 Chigbuh A: 711
 Chihara K: 2103
 Chikos PM: 1420
 Child DF: 712
 Child JA: 713
 Chin Y: 714
 Ching MC: 715
 Chinn LJ: 716, 1113
 Chintu C: 717
 Chiodini PG: 718, 2897
 Chirculescu AR: 4141-4142
 Chirpich TP: 3951
 Chirvasie R: 1048
 Chisholm GD: 1444, 4433
 Chisholm I: 3028
 Chistiakova VR: 452
 Chiu CW: 4448
 Chmelik V: 4305
 Chmyrev AV: 2829
 Choe YS: 2482
 Choi BH: 2169
 Cholnoky P: 719
 Choo SM: 644
 Chopra IJ: 720, 3074
 Choubrac P: 1640
 Choudhury AA: 3153
 Choudhury SR: 3384
 Choussat A: 868
 Chow AW: 721
 Chowdhuri SN: 722
 Chowdhury JR: 723
 Chowdhury SN: 722
 Chrambach A: 251, 905
 Chretien J: 724
 Chrisman OD: 725
 Christensen AK: 2313
 Christensen HD: 1452
 Christensen J: 726
 Christensen LF: 727
 Christian CD: 1455
 Christian JE: 3195
 Christiansen C: 728-729, 3484
 Christie G: 3174
 Christophie J: 595, 980
 Chuang DM: 1616
 Chufko VA: 900
 Chumakov VN: 730
 Chumijarakij T: 731
 Chung D: 2464
 Chung EB: 3524
 Church MK: 732
 Churchill MC: 733
 Churchill PC: 733
 Chylack LT Jr: 734
 Chynn KY: 735
 Chytil F: 3065
 Ciaranello RD: 218
 Ciccoli L: 736
 Cicognani A: 589, 737
 Cidlowski JA: 738
 Ciegler A: 739
 Cifuentes I: 3773
 Cigolini M: 449
 Cille Y: 984
 Cinque NA: 3771
 Ciosek CP: 2969

AUTHOR INDEX

Cirillo VJ: 1674
 Citrin DL: 740
 Cluca L: 1068
 Claes L: 741
 Clapperton JL: 207
 Clark MG: 1165
 Clark RA: 742
 Clark RB: 743
 Clark RF: 744
 Clarke BF: 600
 Clarke S: 745
 Clarke WC: 746
 Clausen T: 747
 Clayton RP: 1533-1534
 Cleary RE: 748
 Cleary TG: 1450
 Cleaver JE: 749
 Cleere WF: 750-751
 Clegg RT: 3937
 Clemens J: 2421
 Clemens JA: 752, 4504
 Clemens LE: 753
 Clement ER: 744
 Clementy J: 868, 907
 Cleveland WW: 3973
 Clifford CK: 754
 Clifton-Bilgh P: 755
 Cline TR: 3195
 Clode WH: 756-757
 Closset J: 2636
 Clubb JS: 4432
 Cluett DM: 833
 Clunie GJ: 758
 Clyman RI: 3608
 Cmelik S: 759
 Cobb SR: 760
 Cocchi D: 761
 Cocheton JJ: 762
 Cochran GV: 763
 Cockayne WC: 209
 Coco R: 3196
 Coel N: 764
 Coen G: 2753
 Coert A: 2978
 Coffe G: 692
 Coffino P: 458
 Coggiola F: 88
 Coghlan JP: 337, 3850, 4557
 Coghlan P: 2683
 Cohen AH: 1848
 Cohen BM: 765
 Cohen EL: 3055
 Cohen MM: 766
 Cohen MM JR: 1668
 Cohen MP: 3681
 Cohen N: 767, 2793
 Cohen P: 768, 2990
 Cohen S: 1288
 Cohen SM: 258
 Cohn DV: 769
 Cohn S: 4437
 Cohn SH: 60
 Cole BR: 1450
 Cole FE: 2632
 Cole P: 2626
 Coleman DJ: 10
 Coleman RE: 1720
 Colle R: 2686
 Collier HO: 770
 Collins DC: 771, 4614
 Collins MA: 363
 Collins WP: 2015, 2476
 Colman M: 127
 Colonosmos P: 2955
 Colosl NW: 4165
 Comal K: 4545
 Combarnous Y: 2636
 Combes-George M: 772
 Comhaire F: 773, 2741
 Common RH: 679
 Companys R: 2725
 Compere D: 2349
 Compton PJ: 3944
 Comsa J: 774
 Congy: 2858
 Conley HH: 1732
 Conly PW: 3973
 Connell DI: 4513
 Connell EB: 775
 Connell KG: 4079

Connoek MJ: 776
 Connolly CA: 1968
 Connon AF: 777
 Connor JD: 3143
 Connor P: 778-779
 Connor WE: 2689
 Conomy JP: 780
 Conrad KH: 781
 Constable TJ: 782
 Constans JP: 783
 Constantinesco A: 784
 Constantinescu A: 132
 Constantopoulos G: 785
 Conte FA: 786
 Conte J: 4068
 Conte JJ: 787
 Contet-Audonneau JL: 2411
 Conti F: 650
 Conzlez Villarón L: 788
 Cook N: 3937
 Cook PS: 51
 Cook WH: 789
 Cooke BA: 790
 Cooke WM: 641
 Cooke WT: 791
 Cooper BR: 487-488
 Cooper KE: 3257
 Cooper MF: 792
 Cooper T: 46
 Coore HG: 1266
 Copeland EM: 2017
 Copp FC: 2934
 Coppa GV: 3893
 Coppings RJ: 795
 Coppola L: 629
 Corbin JD: 796, 2128
 Corcoran R: 797, 1247
 Corenblum B: 2248
 Coret IA: 1910
 Corey M: 798
 Corker CS: 184
 Corliand C: 2728
 Cornwell PE: 440, 2286
 Corrodi H: 799
 Cort JH: 3708
 Cortés J: 3075
 Cortés-Gallegos V: 800
 Corvilain J: 961
 Cory EJ: 801
 Cosgrove PV: 802
 Costa E: 1616-1617, 1686-1687
 Costa JL: 803
 Costa P: 3249
 Costandi YT: 804
 Costantin LL: 805
 Cott JM: 488
 Cottereau MJ: 4635
 Cottney J: 806
 Cotton FA: 807
 Cottrell GA: 331
 Couchot J: 808
 Coughlan MP: 750-751
 Coujard M: 809
 Coujard R: 809
 Coulombe P: 1104
 Coulston F: 1021
 Coune A: 810
 Courpron P: 811
 Coutinho A: 2842
 Coutinho EM: 812, 2641
 Coutts JR: 4024
 Covian MR: 108
 Cowburn D: 826
 Cowell HR: 813
 Cowett RM: 814
 Cowie AT: 1714
 Cowie V: 815
 Cox B: 816
 Cox BD: 817
 Cox M: 818
 Cox PJ: 819
 Cox RA: 820
 Cox RF: 821
 Cox RI: 630, 2809, 3300
 Cox RP: 1447
 Coy D: 2992
 Coy DH: 121, 822-824, 1199, 2096, 4381
 Coy E: 4381
 Coy EJ: 822-824
 Crabtree R: 748, 2421

Craig AC: 1893
 Craig JM: 825
 Craig LC: 826
 Craig RM: 827
 Cramarossa L: 953
 Cran EJ: 337
 Crane C: 828
 Crankshaw J: 884
 Crastes de Paulet A: 336, 1187
 Crawford IL: 3143
 Creeth JM: 351
 Cremer W: 829
 Crews DP: 2468
 Cridland MD: 830
 Crighton DB: 1703
 Crile G: 1700
 Crile G Jr: 831, 1933
 Crim JW: 832
 Crim LW: 833
 Criscuolo T: 2815
 Criss WE: 834
 Cristiano P: 835
 Critchley DR: 836
 Crocker CL: 1793
 Crockson AP: 782
 Crockson RA: 782
 Crofford OB: 636, 3271
 Croft WA: 258
 Cron J: 3874
 Crosfill ML: 837
 Cross HE: 838
 Crossley NS: 461
 Crowshaw K: 4160
 Croxatto HB: 839
 Cruess RL: 840
 Cruze PG: 841
 Cryer PE: 842
 Csaba G: 843-844
 Csapó Z: 845
 Csizér Z: 4227
 Cuatrecasas P: 298-299, 846, 1844-1845, 3045
 Cubeddu L: 743
 Cubeddu L 5th: 847
 Cuhe J-L: 2203
 Cudworth AG: 848
 Cuello AC: 849
 Cuesta V: 935
 Cugell DW: 548
 Cugurra F: 2745
 Cullin AM: 1832
 Culp DA: 1297
 Culver B: 721
 Cummings JN: 850
 Cumming IA: 851, 853, 2562
 Cummings JH: 852
 Cummins LJ: 853
 Cunningham FJ: 1188
 Cuparencu B: 3220
 Cupr Z: 854
 Curci S: 855
 Cure M: 3536
 Curling OM: 856
 Curry B: 1284
 Curtoni ES: 3592
 Curzon G: 1561, 3486
 Custro N: 1367
 Cuthbert AW: 857
 Cutler MG: 858
 Cuttino J: 1585
 Cvetanov F: 3903
 Czako L: 859
 Czaplicki M: 163, 860
 Czembirek H: 3259
 Czygan PJ: 861, 2412
 Czyżyk A: 2041

D

da Paz AC: 618
 Dabels J: 3721
 Dacke-3 CG: 2148
 Dacumos GC: 2057
 Dadrich E: 3700
 Daehnfeldt JL: 3709
 D'Agata R: 862
 Dahl DS: 863
 Dahl-Hansen AB: 747
 Dahlén HG: 2134
 Dalger SP: 864

AUTHOR INDEX

- Dainko JL: 3674
 Dal Lago A: 865
 Dalakos TG: 4052
 Dalla Palma L: 866
 Dallapiccola B: 867
 Dallochio M: 868
 Dalton K: 869
 Daly JW: 3909
 Daly RF: 1279
 Damas J: 870-872
 Damasco MC: 873
 Damaske E: 1696
 D'Amato T: 874
 Dambacher MA: 1643
 D'Ambrosia RD: 875
 Dameron F: 2684
 Damian E: 876-877
 Dammacco F: 3453
 Dämmrich K: 878-879
 D'Amour P: 2619
 Dana SE: 519
 Dánáilá L: 132
 Danchot J: 1946
 Danes BS: 880-881
 Dang J: 882
 D'Angelo A: 1262
 D'angelo SA: 883
 Danho WO: 2464
 Daniel EE: 884, 1399
 Daniel JY: 885
 Danielsson H: 886
 Danilo P Jr: 3515
 Danilow LN: 43
 Danish R: 1174
 Danishefsky S: 887-888
 Danks DM: 889
 Danon A: 890-891
 Danowski TS: 892, 3038
 Danzo BJ: 893-894
 Dardenne M: 165
 Dargle HJ: 895, 2461
 Darke AC: 896
 Darling DB: 1242
 Darragh A: 4111
 Das A: 381
 Das K: 723
 Das KM: 723
 Das SR: 897
 Dascălu R: 898
 Dascombe MJ: 899
 Daszdieicz M: 414
 Datsenko BM: 900
 Datta L: 3985
 Daturi S: 901
 Daughaday WH: 902
 Dautrevaux M: 3340
 DaVanzo JP: 2609
 Davenport R: 903
 David JR: 904
 David L: 325, 327
 David M: 1333
 David MB: 905
 David R: 906
 David-Chaussé J: 907
 Davidovitch Z: 3795
 Davidson A: 3362
 Davidson C: 168
 Davidson EA: 354
 Davie EW: 908
 Davie MW: 668
 Davies AJ: 909, 4513
 Davies DL: 910
 Davies J: 911
 Davies P: 3240
 Davies SJ: 3019
 Davis BJ: 2257
 Davis BP: 912
 Davis C: 2593
 Davis CD: 913
 Davis DR: 914
 Davis JA: 915
 Davis JC: 916-917, 4077
 Davis JO: 2016
 Davis LE: 3628
 Davis NR: 918
 Davis R: 4669
 Davis RE: 919
 Davis RH: 920
 Davis SE: 921
 Davis SL: 922
 Davis SS: 923
 Davydova AI: 3354
 Dawber RP: 463
 Dawson A: 4517
 Dawson CA: 2539
 Day HJ: 1852
 Day RP: 924-925
 Day WA: 1362
 DE Wied D: 424
 Dean AC: 1869
 Dean PM: 926
 DeAngelo AB: 2047
 Deb S: 927
 DeBartolo HM Jr: 928
 Debeljuk L: 2838
 deBelle RC: 4346
 Debnam JW: 929
 de Boer W: 4318
 De Bruin EJ: 360
 Deby C: 870
 de Campos EP: 1177
 De Castro Del Pozo S: 788
 Dechavanne M: 2333
 de Cusminsky BS: 1078
 Dedenkov AN: 1929
 Dedrick DF: 930
 Dee PC: 1647
 Deeg P: 931
 Deery DJ: 932
 Deeths HJ: 2030
 De Gaetano G: 545
 Degani GF: 3135
 Degenhart HJ: 1214, 2256
 Degkwitz E: 933
 Degnan M: 881
 de Graeve P: 73
 de Greef WJ: 4291
 Degrossl O: 4630
 Deguchi T: 218, 934
 Dehais J: 907
 Dehenefte J: 935-936
 de Jong FH: 4291
 de Jong W: 2406
 Dekaban AS: 785
 Dekker C: 937
 de Koos EB: 991-992
 De Kretser DM: 2153
 de la Barra V: 938
 De la Chapelle A: 939
 de la Hoz R: 4138
 de la Lande I: 940
 De La Lande IS: 941
 De la Resurrección M: 4377
 De La Torre JC: 942
 de la Vega CE: 2341
 DeLacerda FG: 943
 Delahayes JF: 944
 de Lahunta A: 332
 de Lanerolle N: 90
 Delaney JC: 945
 Del Arbol JL: 946
 Delbarre F: 1946
 Del Castillo EJ: 947
 Del Conte E: 948
 Delecour M: 949
 de Leeuw NK: 2053
 Delektorski VV: 3354
 De Lima J: 4478
 Delling G: 950, 3696, 3713-3714
 Dellweg H: 3671
 Delmas Y: 1226
 Delost H: 951
 Delost P: 951
 Delouis C: 143
 Del Principe D: 1018
 Delrio G: 1036
 del Socorro O'Shea M: 952
 De Luca F: 953
 DeLuca HF: 254, 954
 DeLuca RF: 955
 De Luca T: 956
 Deluchat CH: 1476
 Delventhal G: 308
 Démant F: 957
 DeMarco P: 3681
 DeMars R: 2054
 de Matteis F: 958
 de Medeiros Neto GA: 959-960
 Demeester-Mirkine N: 961
 De Meis L: 1415
 Dement WC: 371
 De Mey J: 962
 Demidov VN: 963, 3212
 Demina TK: 2094
 Demirchoglian IG: 964
 Demisch K: 965
 Demling L: 4062
 Demmler K: 966
 de Moraes-Filho JP: 2970
 Demski LS: 967
 Denamur R: 143
 DeNardo GL: 875
 De Nardo L: 2551
 DeNardo SJ: 875
 Denckla WD: 968
 Dendy PP: 4517
 Denlach T: 969
 Deniker P: 4635
 Denis J: 970
 Denisov IuP: 3766-3768, 3767-3768
 Dennis M: 1892
 Denny SE: 2950
 Densley T: 2269
 Dent CE: 971
 Dent TL: 2494
 Denton DA: 3850, 4558
 Denys H: 972
 Department of Biochemistry, University of Nijmegen, Nijmegen (The Netherlands): 973
 De Pont JJ: 2143, 4412
 Depresseux JC: 974
 Depta L: 533
 der Kinderen PJ: 1766
 D'Erasmio E: 2753
 Derby A: 912
 De Reus A: 1773
 DeRubertis FR: 975-976
 Desai BN: 716
 Desai SG: 977
 Desante KA: 1031
 Desaulles E: 978
 Descamps M: 979
 Desch G: 336, 1187
 Deschner EE: 1548
 Deschodt-Lanckman M: 980
 De Schutter-Pays A: 468
 Descomps B: 336, 1187
 Descos L: 1375
 de Sêze M: 907
 Désilets-Boulay M: 3232
 De Silva P: 2749
 Desimone P: 2394
 Desjardins C: 319
 Desjardins PR: 981
 Desmons F: 982
 de Somer P: 4326
 Dessy C: 551
 De Toledo e Souza IT: 3250
 De Torrente A: 2604
 Devanesan M: 4218
 Devani MB: 983
 de Vellis J: 486
 Deveny A: 3683
 Devichensky YM: 117
 Deviller P: 984
 Devine MM: 1169
 DeVita VT Jr: 985
 de Vlaming VL: 986
 De Vos J: 2432
 Devreotes PN: 987
 de Vries HP: 988
 de Vries HR: 989
 Dew SM: 2676
 de Wardener HE: 1121-1122
 de Wardenier HE: 990
 Dewey WC: 1804
 Dewhurst CJ: 991-992
 de Wied D: 4347
 de Wolf M: 993, 1806
 De Wulf H: 994, 2150
 Dexter JD: 995-996
 Dey AC: 997
 Dhallia NS: 3894
 Dhariwal AP: 3989
 Di Ferrante N: 3893
 Di Giulio A: 761
 Di Maggio C: 2846
 Di Palma A: 3200
 Di Piazza D: 998

AUTHOR INDEX

- Di Prisco CL: 1359
 Di Renzo E: 2659
 Di Sabato G: 999
 Diamant A: 1000
 Diamant Y: 3716
 Diamant YZ: 1001
 Diamond D: 1002
 Diamond I: 2064
 Diamond LS: 1003
 Diamond MC: 1004
 Diashrius AP: 2266
 Diaz A: 1005
 Diaz G: 4191
 Diaz-Buxo JA: 2203
 Diaz-Infante A Jr: 1006
 Diaz-Mayo C: 4660
 DiCamelli R: 3717
 Dick AR: 4455
 Dick WC: 2145
 Dickerman Z: 2365
 Dickey RP: 4046
 Diezfalussy E: 141, 1007
 Didier JP: 2190
 Didier-Jean L: 3631
 Diecke FP: 1568
 Dieckmann G: 1008
 Diener E: 2400
 Dienstbier Z: 1009
 Dierick W: 417, 993, 1806
 Dierickx K: 962
 Dierschke DJ: 1010
 Dieterich WR: 1011
 Dieterlen M: 2657
 Dietz R: 1012
 Dietzel F: 1013
 Dietzman RH: 1014
 Diez Jiménez L: 1015
 Diferrante NM: 1016
 Diggory P: 1017
 Digillo G: 1018
 Dikanskaia EM: 1019
 Dikov V: 1020
 Dikshith TS: 1021
 Dilawari JB: 1022
 Diloksambandh V: 1023
 Dils R: 2205
 DiMarino AJ: 1288
 Dimitrakoudi M: 178
 Dingfelder JR: 1024
 Dinicola AF: 3855
 Dinner A: 1025
 Dioguardi N: 1026
 Dionne GP: 1027
 Diplock AT: 1028
 Dirksen G: 1029
 Dirksen TR: 2623
 Dirmikis DS: 4186
 Dirmikis S: 21, 1030
 Disala PJ: 2933
 Disanto AR: 1031
 Disclos P: 1032
 Dismukes K: 1033
 Distiller LA: 261, 1034-1035, 3579
 d'Istria M: 1036
 Diukareva NA: 1037
 Diver MH: 4077
 Divila F: 1889-1890
 Diwan AD: 1038
 Dixit VP: 1039
 Dixon WR: 1040
 Djoseland O: 466
 Dmitriev BS: 3806
 Dmochowski L: 1041
 Doba N: 69, 1042
 Dobbelsstein H: 1043
 Dobbie HG: 1465
 Döbeli M: 4641
 Döbereiner J: 879
 Dobson H: 1044-1045
 Dobyns BM: 3359
 Docter R: 1773, 4388
 Dodds WJ: 3386
 Dodinval P: 2347
 Dods RF: 482
 Dodsworth AI: 1046
 Doellgast G: 678
 Doerr P: 3253
 Doklya T: 2291
 Dokumov S: 1434
 Doležalová V: 1047
 Dolgova LG: 3112
 Dolinský A: 1048
 Doll R: 4372
 Doll SR: 2671
 Dollery CT: 895, 2461
 Dolman A: 1773
 Dombroske O: 1329
 Dombrosky JT: 4181
 Domey RG: 4413
 d'Omezon Y: 1150
 Dominic CJ: 3895
 Dominic JA: 218
 Dominick HC: 1049
 Domino EF: 1050
 Dominquez M: 4444
 Domschke S: 4062
 Domschke W: 4062
 Domžalowa B: 1051, 3699
 Donabedian RK: 3364
 Donahue RP: 1052
 Donald LJ: 1053
 Donald RA: 1293
 Donát J: 2216
 Donath U: 3964
 Donati RM: 1296
 Donatsch P: 2975
 Donchak GM: 4194
 Done SH: 879, 2774
 Doniach D: 21
 Doniach I: 1558
 Donley CS: 1054
 Donnadieu M: 3192
 Donovan BT: 1055-1056
 Donovan EF: 3492
 Donta ST: 1057
 Doore BJ: 1058
 Doppman JL: 3875
 Dordal E: 827
 Doree M: 1059
 Dorfman G: 530
 Döring HJ: 1983
 Dorn AS: 1060
 Dornand J: 444
 Dörner G: 1061
 Dorofeev GI: 1062
 Dorofeeva RP: 1232
 Dorokhova LP: 134
 Doronin PP: 1931
 Dorst JP: 557, 1162, 2471, 3760
 Dostál C: 1063
 Doublas SD: 4664
 Dougherty KA: 4298
 Douglas JR Jr: 1064
 Douglas RH: 1065-1066
 Doust V: 4489
 Dowd AJ: 2204
 Dowell RI: 461
 Doyle AE: 2553
 Doyle FH: 2032
 Doyle JJ: 1067
 Dragomir CT: 1068
 Drash AL: 2628
 Drawczuk A: 4561
 Dray F: 2056
 Dražančić A: 1069
 Drelling DA: 1577
 Dress D: 1070
 Drewett RF: 1071-1072
 Drews R: 1073
 Dreyer C: 1540
 Dreyfurst R: 426
 Dreyfuss JR: 94
 Driuan JP: 630
 Driscoll SG: 3852
 Driver PM: 1303
 Drobnica L: 1819
 Drooge W: 1074
 Drouin J: 2329
 Drózdź Mkucharz E: 1075
 Drozdhdz M: 1076
 Drury KC: 1077
 Drut R: 1078
 Dry J: 1079
 D'Souza BJ: 3628
 du Vivier A: 1080
 Dua SL: 4137
 Dubberstein M: 933
 Dubey JP: 1081
 Dublin JC: 2410, 3304
 Dublin L: 1082, 1523
 Dubois MP: 1474-1475
 Dubois P: 1457
 Dubovsky D: 1974
 Dubowitz L: 1083
 Ducassou D: 1084
 Ducayen M: 1977
 Duckett GE: 3512
 Dudkiewicz AB: 3835
 Dudkiewicz J: 1085
 Dudrick SJ: 2017
 Duell EA: 4409
 Dufau ML: 651, 1086-1087
 Dufek JH: 2057
 Duffey DH: 1088
 Duffy MJ: 1089
 Duffy T: 3382
 Dufler JL: 1736
 Dugan RE: 2339
 Duignan NM: 3550
 Dukarevitch MZ: 87
 Dukelow WR: 3947
 Dular R: 2326
 Dullaart J: 1090, 4479
 Dumas J: 1091
 Dumbadze LA: 2545
 Dumitriu L: 1391
 Dumnova AG: 2948
 Dumont G: 2781
 Dumont JE: 609, 3255, 4345
 Dumont JN: 445
 Dunaev PV: 1092
 Dunaway PB: 189
 Duncan BM: 1099
 Duncan D: 4017
 Duncan H: 4598
 Duncan ML: 3905
 Duncan TR: 1093
 Duncombe RE: 2714
 Dunn CR: 1094
 Dunn JF: 1095
 Dunn JM: 702
 Dunnett J: 2947
 Dunning WF: 4393
 Dupiers M: 4297
 Dupont W: 1096, 4354
 Dupont-Maïresse N: 1097
 Duque Magalhães MC: 1098
 Durand R: 257
 Durbridge TC: 1099
 Durchon M: 649
 Durham JP: 1100
 Duriez J: 1101-1102
 Durlach J: 3388
 Durnov LA: 1103
 Duron-Huerta H: 2096
 Dussault JH: 1104
 Dustan HP: 484
 Dutau G: 1105-1106
 Dutta SK: 1107
 Dutton RE: 2560
 Duursma SA: 1941
 Duvernoy J: 334
 Duzzi L: 355
 Dvořák K: 1108
 Dvořák M: 1109
 Dvořák O: 1110
 Dvořák MYJ: 1884
 Dvorchik BH: 1111
 Dwarakanathan A: 1112
 Dyball RE: 192, 3002
 Dyball REJ: 561
 Dybkjaer L: 2073
 Dygos JH: 1113
 Dyrenfurth I: 4458
 Dyshlovor VD: 1114-1115
 Dyszyńska-Rościszewska B: 1116, 4106
 Dzhardemov AA: 1117
 Dzieniszewski J: 4195
 Dziłuba GI: 4272

E

- Eadon GA: 2662
 Eady RA: 1458
 Eagling EM: 1118
 Eakins KE: 353
 Eales JG: 1580
 Earl CJ: 1318
 Earnest W: 1184

AUTHOR INDEX

Earp HS: 1119
 Easley JF: 1404
 East JM: 1120
 Eastman CJ: 635
 Eastwood JB: 1121-1122
 Easty GC: 4513
 Ebbesen P: 1123
 Eberhardt U: 1124
 Eberl R: 3154
 Ebert JD: 3100
 Ebert R: 3720
 Ebstein RP: 1503
 Echols H: 1125
 Eclancher F: 1126
 Eddy L: 1127
 Edelhauser HF: 2727
 Edelhoch H: 769
 Edelman IS: 1128, 1339, 4571
 Edelson AH: 40
 Edelstein S: 1129
 Edemskif AI: 4645
 Edens FW: 1130
 Edey TN: 2618
 Edgar WM: 4146
 Edlin G: 1125
 Edmonds CJ: 1131, 4217
 Edmondson JW: 1132
 Edqvist LE: 2369
 Edsmyr F: 1133, 4424
 Edwards AV: 409-410
 Edwards EM: 1134
 Edwards JA: 1135
 Edwards JL: 2629
 Edwards S: 1136
 Edwardson JA: 1137-1138
 Beckels R: 3320
 Effer SB: 3905
 Efimov AS: 1139-1140
 Egert D: 1141
 Eggena P: 1112, 3601
 Eggermont E: 3320
 Egorov AN: 2646
 Egorov BB: 3806
 Egorova IA: 3812
 Egorova IS: 1142
 Ehle H: 3459
 Ehrenguber H: 4666
 Ehrenkauf RE: 1767
 Ehret G: 1423
 Ehrlich GE: 1143
 Elche A: 1144
 Elchel WF: 767
 Eichenberger D: 24
 Elchholz A: 836
 Eichner M: 3345
 Eichwald M: 1145
 Elckenberg H-U: 1146
 Elde I: 1147-1148
 Elgler JOC: 4473
 Elk-Nes KB: 4364
 Einarsson S: 1149, 2369
 Eisen AZ: 912
 Eisen EJ: 2014
 Eisenberg JB: 1150
 Eisenberg RM: 1151
 Eisenberger F: 3991
 Eisenfeld AJ: 1398
 Elsengräber I: 1678
 Elsenhauer AC: 2527
 Elsner M: 3988
 Elssa H: 1371
 Ekblad EB: 1339
 Ekengren B: 1152
 El-Bab MR: 3, 1153
 El Elni DI: 227
 El Etreby M: 4588
 El Etreby MF: 1154
 El-Garem F: 1370
 El Kabir DJ: 21
 El-Naggar MA: 1153
 El-Sayad S: 2934
 El Shamat AA: 1303
 El-Yousef MK: 1155
 Elantsev AB: 3078
 Elbrink J: 747
 Eldefawi AT: 1156
 Eldefawi ME: 1156
 Elders MJ: 1283
 Eldridge R: 3865
 Elegbeleye OO: 1157

Elesarenko EG: 2521
 Elfenbein GJ: 1158
 Elkhawad AO: 1159
 Elleby F: 1691
 Ellegood JO: 3148-3149
 Ellendorff F: 3155
 Eller BC: 893-894
 Elliott AY: 1661
 Elliott DE: 1160-1162, 3551
 Ellis CP: 1163
 Ellis JG: 1164
 Ellis LC: 4298
 Ellison JP: 1165
 Ellwood M: 430
 elms ST: 740
 El'shanskala MP: 213
 Elson CE: 2645
 Elstein M: 2751
 Elswijk JG: 123
 Emmen L: 1166
 Emmens CW: 1453
 Emmerson BT: 1167
 Emstage JS: 821, 1168
 Encarnacion D: 1169
 Endl J: 1170
 Endow SA: 1171
 Endröczl IM: 1172
 Eng R: 1173
 Engel RM: 1174
 Engel RR: 1280
 Engelbrecht JA: 1175
 Enger E: 1665
 England P: 2135
 English J: 1176
 English M: 2560
 Engquist A: 2130
 Enquist R: 1500
 Ensell FJ: 572
 Entwistle GD: 797
 Epelu-Opio J: 2122
 Epps CH: 3799
 Epps DR: 1177
 Epshteyn EV: 1140, 3917
 Epstein FH: 1178
 Epstein W: 1179
 Erbler HC: 3720
 Ercan ZS: 1180
 Erd W: 3661
 Erhan S: 146
 Erhard: 2297
 Erickson JW: 999
 Erickson RP: 1181
 Erlichman J: 3516
 Ermakov ES: 1103
 Ermolaev MV: 1182
 Ermoshchenkov VS: 100
 Erskine MS: 1183
 Erve PR: 1184
 Esanu C: 2814
 Escher F: 1185
 Eshel M: 1000
 Eskelson CD: 1186
 Espiritu C: 695
 Espitaller J: 336, 1187
 Estabrook RW: 1581, 4511
 Estensen R: 1498
 Estensen RD: 1808
 Estrada Y: 690
 Etches RJ: 1188
 Etienne JP: 1189
 Etling N: 1190
 Eto F: 1191
 Eto K: 3068
 Ettigi P: 1192
 Etzrodt H: 3677
 Evan AP: 967
 Evans AT: 804
 Evans CM: 470-471, 1193
 Evans CR: 1194
 Evans DA: 1195
 Evans EP: 1196
 Evans FE: 1197
 Evans GA: 1198
 Evans HJ: 1533-1534, 2020
 Evans J: 4280
 Evans JH: 3198
 Evans JW: 2131
 Evans LW: 2921
 Evans SW: 3404
 Ever-Hadani P: 1274

Evered DC: 1199
 Ewing DJ: 600
 Exley D: 1200
 Exss R: 1201
 Extton JH: 1202-1203
 Extton-Smith AN: 1204
 Eyring EJ: 3468
 Eyssen H: 4326
 Ezrin C: 2248

F

Faas FH: 637
 Faberova A: 2201
 Fabiato A: 1205-1206
 Fabiato F: 1205-1206
 Facquet-Danis J: 4660
 Faed MJ: 1269
 Fagard RH: 2480
 Fagerhol MK: 1479
 Faggiano M: 2815
 Fagnani F: 3863
 Faguer C: 72
 Fahey JU: 2969
 Fahmy MJ: 1207
 Fahmy OG: 1207
 Falers AA: 1208
 Falfura VV: 1209
 Falgon MR: 2838
 Falman C: 3431, 4556
 Fain JN: 465, 1210
 Fairclough RJ: 3215-3216, 3216
 Fairhurst AS: 1211
 Fairman D: 1212
 Fairweather DV: 4058
 Falvre JM: 326-327
 Falaleeva DM: 4144
 Fales HM: 3537
 Falkay G: 1213
 Falke HE: 1214
 Falkinburg NR: 296
 Falkson HC: 1215
 Faloona GR: 3582
 Faludi G: 1216
 Fambrough DM: 987
 Fan DF: 3088
 Fan JS: 3850
 Fanconi A: 1281
 Fandre M: 808
 Fang JS: 1977
 Fang SC: 697
 Fang VS: 2483
 Fantozzi R: 1217
 Fara JW: 1218
 Farias R: 3196
 Fariss BL: 2554
 Farkas T: 4215
 Farlin M: 634
 Farman DJ: 386
 Farmer RW: 1219
 Farnebo LO: 799
 Farner DS: 1302, 4417
 Farnham CJ: 1220
 Farnsworth WE: 1221
 Farquhar JW: 1222
 Farrell GC: 1223
 Farrell JC: 635
 Farrell PM: 1224
 Farriaux JP: 1225-1226
 Farriss BL: 1227
 Farrow S: 2855
 Fass B: 1228
 Fauchald P: 3076
 Fauci AS: 1917
 Faulk WP: 1229
 Favino A: 1230
 Favus M: 127
 Favus MJ: 4439
 Fawcett CP: 4080
 Fawcett DW: 1231
 Faye C: 3391
 Fayet G: 2517
 Fazekas AT: 1860
 Feagin F: 1513
 Feagin FF: 1994
 Fechheimer NS: 3949
 Fedenko NN: 1232
 Feder ZM: 963, 3212
 Fedorov NA: 1233

AUTHOR INDEX

- Fedoseeva GI: 1234
 Fedotov VP: 1235
 Fedotova AM: 2948
 Fehér I: 1236
 Fehér T: 1237-1238
 Fehm HL: 2356
 Feiereis H: 1239
 Feigelson J: 1240
 Feigelson P: 3718
 Fein A: 1241
 Feingold M: 1242
 Feinstein MB: 2806
 Feinstein W: 1243
 Felt C: 3264
 Feiwei M: 59
 Fekher G: 2177
 Feldman AE: 1244
 Feldman D: 4571
 Feldman EB: 634
 Feldman M: 4393, 4627-4628
 Feldman RI: 1245
 Feldman S: 827
 Feldtrauer JJ: 4430
 Felig P: 1246
 Feliga J: 3085
 Fell BF: 3999
 Feller C: 4446
 Feller DR: 243
 Fellmann D: 551
 Felmingham JE: 1247
 Felt V: 4626
 Femenić B: 1633
 Femi-pearse D: 1157
 Fennelly JJ: 1248
 Fenner A: 1249
 Fenuku RI: 1250
 Fenwick JC: 179
 Ferber AJ: 2300
 Ferdman TD: 4194
 Ferdon NM: 1251
 Ferguson JC: 2135
 Ferguson JH: 780
 Ferguson KM: 906
 Ferla-Velasco A: 952
 Fermaglich DR: 1252
 Fernandes E: 3969
 Fernandes FV: 757
 Fernandez AA: 1253
 Fernandez F: 224
 Fernández JB: 2731
 Fernandez LA: 1619
 Fernandez RR: 647
 Fernandez-Pol JA: 1254
 Fernando MA: 3803
 Ferney J: 1255
 Fernley RT: 337
 Fernstrom JD: 4589
 Ferrari A: 1256
 Ferrari E: 1257, 4049
 Ferray L: 1258
 Ferraz A: 959
 Ferre F: 1259
 Ferrelra HP: 991
 Ferrelra IB: 757
 Ferrelra SH: 1260
 Ferretti E: 4214
 Ferrie ME: 207
 Ferris TF: 4011
 Ferstenfeld JE: 1261
 Féry A: 4246
 Fessard A: 3299
 Feuerstein IA: 3410
 Fhölenhag K: 1853
 Flalová Z: 1889
 Flaschi E: 1262
 Fibiger HC: 1263
 Fickentscher K: 1264
 Ficq A: 1265
 Field B: 1266
 Field JB: 975, 1267-1268
 Field MA: 1269
 Filaretov AA: 3791
 Fil'dzhlan SP: 963, 3212
 Filler LJ Jr: 4009
 Fillický J: 1270
 Filimonova GF: 2251
 Filipiak B: 2653
 Filippova GI: 1271
 Filippovich IV: 4647
 Filjak B: 1899
 Fillastre JP: 1948
 Finberg H: 1585
 Findlay JK: 851, 2562
 Fineitain L: 762
 Finger TE: 1272
 Fingerová H: 1273, 1418, 1639, 4010, 4130
 Fink LM: 2942
 Finkelstein JW: 464
 Finkelstein M: 1274, 1425
 Finkelman S: 1005
 Finková A: 1275, 4304
 Finlayson JF: 1276
 Finley WH: 1277
 Finn WF: 1278
 Fiol ME: 1279
 Fiorella G: 3961
 Flotek C: 2613
 Firouzabadi H: 3391
 Firsova PP: 2218
 First NL: 4228
 Fisch RO: 1280
 Fischer CL: 2387
 Fischer E: 236
 Fischer GM: 4177
 Fischer I: 3133
 Fischer JA: 1281, 4039
 Fischer K: 4236
 Fischer LJ: 1282
 Fischer T: 4530
 Fischer-Ferraro C: 1005
 Flser RH: 1283
 Fisher AB: 4012
 Fisher AW: 1284
 Fisher B: 1002
 Fisher D: 1285
 Flsher DA: 720, 1286-1287
 Fisher JW: 2893
 Fisher RS: 1288
 Fishman J: 1289, 4270
 Fishman JH: 1289
 Fishman PH: 1772
 Fishman WH: 678, 2704
 Flske VM: 1290-1291
 Fitt TJ: 1292
 Fitz AE: 2689
 Fitzgerald PH: 1293
 Fitzpatrick RJ: 1044
 Flulep E: 2177
 Fixter LM: 3161
 Fjellstedt TA: 1294
 Flaks A: 1681
 Flamm ES: 2167
 Flautre B: 1102
 Flawiá MM: 4229
 Fleckenstein A: 1295, 1983
 Fleckenstein L: 1896
 Fleisch HA: 254
 Fletcher JW: 1296
 Fletcher MA: 2445
 Flickinger GL: 1938
 Flint AP: 2820, 4006
 Flocks RH: 1297
 Flores A: 4437
 Flowers CE Jr: 1298
 Floyd M: 1299
 Fluge G: 1300
 Flynn JJ 3d: 3490
 Fodor I: 2733
 Fokin AS: 1301
 Folkers K: 4592
 Follenius M: 476
 Follett BK: 357, 1302, 4005
 Fominykh VG: 3214
 Fonberg E: 2335
 Fondaral J.Vasserot M: 2792
 Fong RW: 3144
 Fontaine G: 1225-1226, 4233
 Fonzo D: 415
 Foote RH: 78
 Forbes JM: 387, 1303
 Forbes TR: 1304, 1865-1867
 Forbes WF: 1305
 Fordham RA: 2199
 Fordney-Settlage D: 583
 Fordyce J: 1306
 Forlani A: 1383
 Fornaciari G: 343
 Forrest JA: 1307
 Forsham PH: 4283
 Forsling M: 1308
 Forsling ML: 1309
 Forssido T: 1310
 Förster W: 1311, 2772
 Forstner GG: 1377-1378
 Forsyth CC: 3632
 Forte JG: 3385
 Fossá S: 1312
 Fossá SD: 1313
 Fossati P: 1483
 Foster JP: 1703
 Foster RP: 1314
 Foster A: 493
 Fournie GJ: 787
 Fournier A: 1315
 Fournier C: 166
 Fowler AK: 1316
 Fowler CJ: 1317
 Fowler TJ: 1318
 Fox JA: 2754
 Fox LL: 1319
 Fox U: 355
 Fozard JR: 1320
 Fraccaro M: 4191
 Fragu P: 3405
 Fraley EE: 1661
 Frame PS: 1321
 Franceschini J: 901
 Francesconi RP: 1322
 Francis DL: 770
 Francis MJ: 1323
 Frandsen E: 1324
 Frank CW: 2360
 Frank-Piskorska A: 1963
 Frankel AI: 2831
 Frankel RJ: 262
 Frankhuijzen AL: 1325-1326
 Franklin A: 23
 Franklin SS: 4478
 Franks D: 3607
 Franks S: 1327, 1971
 Franshimon P: 1328
 Frantz WL: 1329
 Franzen LA: 10
 Franzke AW: 1330
 Frascarolo L: 4663
 Fraser AF: 1331
 Fraser FC: 319
 Fraser HM: 1331
 Fraser IS: 4339
 Fraser R: 3031, 3163
 Fraser TR: 712, 2032, 2185, 4611
 Fraser WM: 184
 Fratiello A: 1332
 Frazer A: 2766
 Frederick A: 1333
 Fredlund P: 1334
 Fredlund PE: 2919
 Freed J: 1949
 Freedberg AS: 2097
 Freedman LS: 1503
 Freedman MH: 1335
 Freedman MT: 1336
 Freedman SI: 1337
 Freeman J: 382
 Freeman JB: 544
 Freese E: 1772
 Frelberg JM: 4052
 Frelre F: 619
 French FS: 1655
 French SW: 1338
 Frenkel A: 1339
 Frenkel' ID: 2223
 Frenkel JK: 1081
 Frenkel Z: 2178
 Fretten JA: 3023
 Freund K: 1340
 Frey CF: 70
 Frey H: 328
 Frias JL: 1404-1405
 Fried DA: 1341
 Friedberg I: 1495
 Friedman E: 3609
 Friedman H: 2100-2101
 Friedmann N: 3373
 Friedrich E: 2134
 Friedrich F: 1342, 4399
 Friedrich U: 1343
 Friesen H: 1636, 1926
 Friesen HG: 1192
 Frigoletto FD Jr: 4270

AUTHOR INDEX

Friis T: 2179
Frith DA: 335
Fritz H: 1344
Froeling PG: 989
Frohman L: 127
Frohman LA: 3989
Fröllich W: 425
Frol'kis VV: 1345
Frolund F: 2073
Frösle A: 1348
Frot-Coutaz J: 1347
Frush AJ: 2582
Frye FL: 1348
Fuchila J: 2852
Fuchs AR: 1349
Fuchs F: 1350, 2354
Fuchs K: 1351
Fuchs P: 76
Fuchs V: 1352
Fududa Y: 3824
Fuenfer MM: 1353
Fuglsang-Frederiksen V: 2491
Fujikawa K: 908
Fujimoto Y: 1354
Fujino M: 3461
Fujita H: 1355
Fujita T: 1191, 1356
Fujita Y: 2864
Fukami MH: 3597
Fukase M: 1943, 2076
Fukawa O: 1357
Fukuda T: 3044, 3461
Fukunishi H: 1358
Fukushima DK: 3518
Fulgheri F: 1359
Fuller B: 2768
Fuller CA: 1360
Fuller RW: 1361-1364
Fulton TT: 2595
Funakoshi M: 2118
Funcke C: 1365
Fundaro' A: 642
Funder JW: 4571
Fungl L: 4683
Funk MO: 1366
Furino C: 2744
Furitano G: 1367
Furmanik F: 3127
Furnelle J: 595
Furr BJ: 3757
Furuya K: 4118
Furuya T: 1368
Fuxe K: 799, 1369, 1838

G

Gaafar H: 1370
Gaál M: 2373
Gabaeva NS: 3145
Gabbasov RA: 280
Gabor EP: 2290
Gabr M: 1371-1372
Gabrion J: 1373
Gács G: 1374
Gadborg E: 2565
Gagnaire JC: 1375
Gagnon JH: 1376
Gagnon R: 2548
Gaillard J: 1656
Gaillard R: 379
Gajdos P: 1545
Galand G: 1377-1378
Galand P: 1097, 4151
Galand V: 539
Galanti B: 650
Galanti N: 1100
Galazka A: 4587
Gale CC: 1379-1380
Gale EF: 1381
Galfalan VT: 1382
Galimberti E: 1383
Galluteva GI: 1384
Gall GA: 1491
Gall JG: 1171
Galla JH: 263
Galla SJ: 2405
Gallannaugh SC: 513
Gallegos AJ: 800
Gallegos D: 3246

Galli S: 865
Gallien R: 1385
Gallmeyer WM: 3735
Galloway K: 1386
Gallucci E: 1387
Gallucci J: 4288
Galolan AA: 1382
Galstian DA: 964
Galteau MM: 3863-3864, 3864
Galton DA: 3217
Galton VA: 1945
Gamboa EL: 1388
Gan JC: 1389
Gancevici G: 133
Gandhi A: 1390
Gandolfi C: 658
Ganea E: 1391, 3072
Gangolli SD: 2337-2338
Ganguly A: 381
Ganguly R: 4162
Gann DS: 1592
Ganong WF: 849
Gant N: 1407
Gantt R: 1392
Garattini S: 545
Garbus SB: 2504
Garbutt BY: 2854
Garcea N: 1393
Garcia AG: 1040
Garcia G: 4048
Garcia MD: 648
Garcia-Biénere W: 3188
Garcia Herreros I: 4377
Garcia-Torres R: 1606
Garden S: 1394
gardner FH: 1531
Gardner JD: 153
Gardner LI: 1395
Gardner MJ: 1396
Gardner RC: 1397
Gardner WU: 1398
Garellis E: 2341
Garfield RE: 1399
Garfinkel L: 1400
Garfinkel PE: 1401
Garg BD: 1402
Garin AM: 2091
Garlinger P: 1403
Garmendia F: 4296
Garneau P: 443
Garnica AD: 1404-1405
Garret R: 4152
Garrison MM: 1406
Garterhouse W: 2160
Gartler SM: 1407
Gärtner A: 1408
Gartside MW: 1409
Gasińska T: 1410-1411
Gąsiorowski W: 1412, 2289, 4569
Gaspar U: 1328
Gaspard UJ: 1413
Gasparoux S: 1084
Gaszyński W: 1414, 3085
Gattass CR: 1415
Gatzky JT: 1416
Gaudart d'Allaines C: 4150
Gaudeau S: 655
Gavras H: 3163
Gaye P: 143
Gazárek F: 1417-1418, 4010, 4130
Gebhardt BM: 373
Gebhardt H: 3991
Gebre-Medin M: 1837
Geck P: 1419
Geddes B: 4324
Gee WF: 1420
Geffner DL: 1421
Geffer ML: 1422
Gehring D: 1423
Gehring U: 1424
Geier A: 1274, 1425
Gelger G: 2272
Gelger N: 3392
Gelger R: 1426
Gelger W: 1427
Geir G: 1428
Geisler A: 1324
Gelbke HP: 1429
Gelder MG: 341
Gelfand MC: 1158

Gellert RJ: 1430
Gellis SS: 3756
Gelly C: 4075
Gelot MA: 1431
Gemignani A: 2745
Gemmell RT: 3990
Gemperle M: 3451
Gemsenjäger E: 1432
Genant HK: 1433
Genest J: 2395, 2781, 4133
Genkins G: 3140
Genkova P: 1434
Gennari C: 1435
Gentil CG: 108
Gentile MJ: 1436
Gentsch J: 7
Genuth SM: 646
George AE: 1437
George EA: 1296
George JM: 3782
George R: 167, 3882
Georges LP: 2660
Georgescu I: 1068
Georgi P: 2535
Gerasimova EN: 1438
Gerber DA: 1439
Gerber P: 3187
Gerber Th: 3998
Gerich JE: 4283
Gerlach U: 1049
Gershbein LL: 1440
Gershon RK: 768
Gershon S: 3609
Gerson B: 3288
Gethmann JW: 526
Getz ML: 4348
Gevorkian GG: 1441
Gewurz H: 3717
Geyer A: 3679
Geyer S: 1442
Geyskes GG: 1443
Ghanadian R: 1444
Ghatak NR: 4036
Gheridian B: 3321
Ghinea E: 4655
Ghiotto G: 1445
Ghosal S: 1446
Ghosh NK: 1447
Ghrif R: 1448, 2381-2382
Giacovazzo M: 1449
Gladano GP: 415
Giangiacomo J: 1450
Giannina T: 4017
Gibbon SL: 65
Gibbs EPJ: 1451
Giber LM: 1931
Gibson KI: 105
Giddings S: 4610
Gidley JT: 1452
Gidley-Baird AA: 1453
Giedion A: 1666
Giesbets MA: 4322
Glessler C: 2772
Gietka J: 4565
Gigger M: 4260
Gijben CA: 4159
Gil-Vernet JM: 616
Gilbert D: 1137-1138
Gilbert DM: 1454
Gilbert EF: 1826, 4386
Gilbert-Dreyfus: 3650
Giles HR: 1455
Gillgenkrantz S: 1456, 3241
Gilibert J: 1457
Gilles JJ: 1458
Gill DM: 1459
Gill GN: 1460, 2804
Gille J: 1461
Gillen RG: 807
Gillespie A: 1462
Gillespie JM: 889
Gillesen D: 2307
Gilliland PF: 1463, 1933
Gilman AG: 2638-2639
Gil'mar IS: 1464
Gilmore DP: 1465
Gilsanz V: 1466
Gimeno AL: 1467
Gimeno MF: 1467
Gimlette TM: 917

AUTHOR INDEX

- Giner Marti R: 4377
 Ginstet D: 4635
 Glnovker AG: 1092
 Ginsberg H: 1488
 Ginsburg M: 222, 1469
 Glnther OJ: 1010, 1065-1066
 Giorgio NA: 396
 Giovannetti AM: 355
 Giovannetti S: 1470
 Giraldi A: 835
 Girard J: 1432, 4666
 Girard JF: 2777
 Girard JR: 1471
 Giri SN: 1472
 Girndt J: 2966
 Giron C: 1473-1475
 Giroud A: 1476
 Giroud CJ: 4226
 Glurgea R: 4212
 Giustina G: 1477
 Givant Y: 241
 Givens JR: 1478
 Gjonnaess H: 1479
 Gladkova NS: 3354
 Glaser E: 1480
 Glaser EM: 1827
 Glaser J: 3925
 Glass DB: 1498
 Glassman E: 4485
 Glenc F: 1481
 Gless KH: 1012
 Glimcher MJ: 3590
 Glogner P: 1482
 Glover RG: 3021
 Gluck FB: 3268
 Gluckman E: 3631
 Gnamey D: 1483
 Goban' VL: 2908
 Gochman N: 1484
 Godden PM: 1485
 Godefroi VC: 1486
 Godfrey S: 1487
 Godon JP: 1488
 Goebel FD: 1489
 Goebel KM: 1489
 Goettsching G: 2168
 Goetz C: 2187, 4482
 Goetz FC: 4115
 Goetzke A: 1490
 Goff MM: 3953
 Gohil RN: 807
 Gol'berg RS: 2384
 Gold JR: 1491
 Gold RM: 1492-1493
 Goldberg E: 1494
 Goldberg I: 1495
 Goldberg J: 1496
 Goldberg MR: 1497
 Goldberg ND: 1498, 1808
 Goldblatt H: 1641-1642
 Goldenberg DM: 4341
 Goldfard E: 72
 Goldfoot DA: 4330
 Goldhaber P: 3590
 Goldhammer Y: 1499
 Goldie JH: 3315
 Goldman AL: 1500
 Goldman AS: 3512, 3797
 Goldman JA: 578
 Goldsmith RS: 3689
 Goldstein AL: 2693
 Goldstein DJ: 1005
 Goldstein G: 1501, 3675, 3687
 Goldstein HM: 1502
 Goldstein JL: 519, 3092
 Goldstein M: 1503, 1838, 2475
 Goldstein S: 1504-1505, 1725
 Golf SW: 1506
 Golladay ES: 2504
 Gollan JL: 1507
 Gollnitz G: 1508
 Golob E: 1342, 4406, 4420
 Golovlev EL: 3910
 Golubovich LL: 1509
 Gómez Arzapalo E: 1510
 Gómez Capilla JA: 946
 Gómez Embuena A: 1015
 Gomez-Pan A: 1199
 Gomez-Sanchez C: 4481
 Gomot L: 1511
 Gomprecht RF: 1543
 Goncharenko EN: 3952
 Goncharova IA: 1114
 Gondos B: 3425
 Gononi GV: 1512
 Gontscharow NP: 3775
 Gonzales CM: 925
 González AJ: 788
 Gonzalez LM: 2731
 Gonzalez M: 1513
 Gonzalez-Barcena D: 1514, 2096
 González Molina A: 3249
 González-Montesinos F: 657
 Good RA: 2482, 2541, 4232
 Goodchild DJ: 3180
 Goode DJ: 942
 Goodfriend TL: 1515
 Goodman DB: 3373
 Goodman RM: 1516
 Goodnight SH: 1517
 Goodrich JE: 2743
 Goodwin FJ: 12
 Goonaratna C e F: 1518
 Goos HJ: 1519
 Goott B: 1014
 Gorbach SL: 1520
 Gorbman A: 4091, 4266
 Gordienko OE: 707
 Gordon A: 1521
 Gordon CM: 2530
 Gordon D: 485
 Gordon F: 657
 Gordon GG: 1522
 Gordon JA: 1523
 Gordon JE: 1524
 Gordon RD: 758
 Gordon W: 1525
 Göretzlehner G: 1526
 Gorlachev SP: 134
 Gorins A: 1527
 Goris J: 1528
 Gorizontova MP: 1529
 Gorman RR: 2993
 Gornall AG: 981, 1530
 Gorokhova NM: 1620
 Gorshehn D: 1531
 Gorshkova LP: 2316
 Gorski RA: 4140
 Gorzalka BB: 1532
 Gosden JR: 1533-1534
 Goslings BM: 1535
 Gospodinov GM: 1536
 Goss SJ: 1537
 Gössner W: 2700
 Got R: 1347
 Goth A: 1538
 Göthert M: 1539-1540
 Gottfries CG: 1541
 Gottschalk CW: 1278
 Gough ED: 1542
 Gouin PR: 3545
 Gould L: 1543
 Gould RP: 1544, 1966
 Goulon M: 1545
 Gourdl D: 4199
 Gourmelen M: 3192
 Govan AD: 2135
 Gower DB: 356, 3571
 Goy RW: 3919
 Gozarl L: 898
 Grabensee B: 3694
 Grabstald H: 1546
 Grachev II: 1547
 Gracheva LI: 2259
 Gracia-Talavera JR: 788
 Grady GF: 1548
 Graef V: 1506
 Graefe IV: 1376
 Graffeo J: 1977
 Graham CE: 4614
 Graham CW: 1549
 Graham RE: 1550-1551
 Graham III WP: 4459
 Grahame-Smith DG: 455, 1562
 Graig GR: 1552
 Grandhi R: 1553
 Granitsas AN: 2263
 Granlie K: 2073
 Granström E: 1554, 3604
 Grant BJ: 3554
 Grant DL: 1555
 Grant G: 1556, 4314
 Grantyn' VA: 1557
 Grauel L: 2710
 Gray AB: 1558
 Gray BC: 3566
 Gray GF: 4136
 Gray L: 2084
 Gray LA Sr: 1559
 Grayhack JT: 3428
 Greaves JP: 1420
 Greaves MW: 1560
 Green AR: 1549, 1561-1562
 Green D: 1563
 Green K: 3604
 Green L: 1125, 3993
 Green MD: 1564
 Green MF: 1565
 Green OC: 2113
 Green WL: 3616
 Greenberg G: 1566
 Greenberg J: 1567
 Greenberg S: 1175, 1497, 1568-1569
 Greene RM: 1570
 Greengard P: 1571-1573, 2634, 2658
 Greengrass PM: 1574-1575
 Greenspan FS: 1576
 Greenstein AJ: 1577
 Greenstein BD: 222
 Greenwood MR: 1578
 Greep RO: 1805
 Greer MA: 1579
 Gregory LA: 1580
 Greibe J: 2130
 Greldanus TVW: 424
 Greig WR: 740
 Greiser AE: 2430
 Greiser E: 3091
 Grella P: 2846
 Grenga C: 64
 Gribetz D: 312
 Gribler C: 4504
 Griffin BW: 1581
 Griffin J: 3382
 Griffin MJ: 1582
 Griffith RW: 3129
 Griffith SF: 1298
 Griffiths EC: 1583-1584
 Griffiths HJ: 1585
 Grigoleit HG: 3647
 Grigor'eva I: 3826
 Grigorian AS: 3131
 Grigorian LG: 92
 Grigorov S: 1586
 Grill V: 1587-1588
 Grillo-López A: 2559
 Grim CE: 3784
 Grimes RP: 455
 Grimes SR Jr: 480, 1589
 Grimm W: 1590
 Grimm-Jorgensen Y: 1591
 Grist SM: 3233
 Grizzle WE: 1592
 Grodzinska L: 1593
 Groels AP: 2655
 Gronau G: 47
 Grońska J: 3502
 Groot ND: 2151
 Groot-Wassink K: 1594
 Groppetti A: 761
 Grosbuls S: 1545
 Gross EL: 3318
 Gross F: 1012
 Gross JB: 1595
 Gross KB: 1596
 Gross SJ: 3950
 Gross SR: 1597
 Grosser KD: 1598
 Grossman MI: 4440
 Grotjan HE JR: 1778
 Grozdov SP: 1599
 Gruber NM: 255
 Gruber UF: 1600
 Gruden N: 3997
 Gruenwald P: 1601
 Grueva D: 1602
 Grumbach MM: 786
 Grün G: 1295
 Grundmann E: 1603
 Grundsell H: 1604

AUTHOR INDEX

Grunert E: 1605
Grünfeld JP: 1606
Gruson M: 1607-1608
Gruska S: 515, 4585-4589, 4587
Grutenko EV: 2065
Gryglewski RJ: 1593
Gryzhak IP: 86
Gschwendt M: 1609-1610
Guansing AR: 1611
Guastavson KH: 1612
Gubbay SS: 2402
Guédon J: 1613
Gueguen R: 3863
Guerin LF: 1614
Gueris J: 1315
Guerrant RL: 1615
Guerrero R: 141
Guerrier P: 1059
Guglielmi G: 2753
Guibaud P: 1333
Guichard A: 1652
Guidotti A: 1616-1617, 1686-1687
Guilhem A: 73-74
Guilland JC: 2190
Guillaume M: 148
Guillausseau PJ: 1618
Guille C: 435
Guilleminault C: 371
Guilmot JL: 2951
Guitelman A: 2796
Gukalo AS: 3112
Gulati OP: 1619
Guldberg HC: 2546
Gullants ES: 1620
Gullizla S: 862
Gullis R: 1621
Gulsvik A: 466
Gulys BJ: 1622
Gumpel JA: 4669
Gunaga KP: 2120
Gunatilaka AA: 235
Gundert D: 1623
Gunn A: 1331
Gunnarsson A: 2622
Gunnells JC: 4503
Gunsalus IC: 1624
Gunter RE: 1625
Günzel P: 4588
Gupta D: 1626, 3345
Gupta K: 1627
Gupta ML: 1628
Gupta SK: 1107
Guraya SS: 1629
Gurley LR: 1630-1631
Guroff G: 3537
Gurr E: 1632
Guslatinskaia VM: 3814
Gušić B: 1633
Gustafsson JA: 1634
Gustke HH: 1635
Gut M: 2438
Gutcher GR: 3828
Gutekunst R: 372
Gutkin M: 2832
Gutkowski P: 2946
Gutman EKh: 3261
Gutzelt A: 3804
Guyda H: 1104, 1636, 1926
Guyot-Sionnest M: 1736
Guyton AC: 2590
Guze LB: 721
Gvamichava DA: 683
Gwinup G: 1637
Gyermek L: 1638
Gyéval A: 4002
Gzaárek F: 1639

H

Haarmeyer A: 4500
Haas A: 1827
Haas CH: 1640
Haas E: 1641-1642
Haas HG: 1643
Haase E: 1644
Haase P: 1645
Habener JF: 1646-1647
Hachmeister U: 1648
Hackenberg K: 1790

Hacker RR: 520
Hacker RW: 478
Hackman R: 2503
Haddad JG: 1813
Haddock AM: 1649
Haddock BA: 3284
Haddox MK: 1498
Hadjlan AJ: 2129, 2657
Hadley ME: 1650
Haeusler G: 1651
Haffen K: 1652
Haffter C: 1653
Hafs HD: 4131
Hagberg G: 1654
Hagen TC: 36, 1611
Hagenäs L: 1655
Hager G: 116
Häggström A: 2369
Haguenauer JP: 1656
Hahn BH: 1657
Hahn DW: 2609
Hahn FF: 293
Hahn HB: 1658
Hahn J: 3692
Hahn P: 1659
Hahn WE: 2261
Hainer V: 1660, 2508
Haines DE: 632
Haines JG: 4244
Haines ME: 821
Haines RM: 992
Hait MR: 763
Hajos ZG: 2793
Hakala TR: 1661
Håkansson L: 1604
Håkansson S: 1662
Haksar A: 205, 2487
Halaban R: 3174
Halabe E: 2365
Halász N: 1663
Halawa B: 4585, 4587
Halberg J: 1664
Hald E: 2073
Hald J: 2073
Hale JF: 676
Haley BE: 2658
Haljamäe H: 1665
Hall BD: 1666
Hall CE: 1667
Hall DA: 1668
Hall EG: 2593
Hall IH: 1452
Hall KA: 572
Hall O: 1667
Hall PF: 1669
Hall R: 21, 1199, 1670, 4186
Hall RC: 941
Hall TR: 661, 1671-1672
Hall WJ: 1673
Halmi NS: 2866
Halmy L: 1237
Halpin JA: 524
Halprin KM: 1904
Ham EA: 1674
Hamaguchi H: 1675
Hamajima S: 3067
Hamberg M: 1676, 2661, 2993, 3604
Hamberger B: 799
Hambræus L: 1677
Hamsch K: 1678
Hamburger JJ: 1679
Hami M: 1680
Hamilton DE: 3008
Hamilton JM: 1681
Hamilton JW: 769
Hamilton PB: 499
Hamilton TR: 1657
Hamilton-Gibbs JS: 154
HamiltonCW: 3462
Hammar CH: 1682
Hammarström L: 1683
Hammarström LE: 253
Hammarström S: 3604
Hammerling U: 3687
Hampl R: 1684
Hamprecht B: 1621, 4236
Hamza M: 1906
Han IH: 1685
Hanbauer I: 1617, 1686-1687
Hanby JP: 1688

Hancock C: 4571
Handa H: 2864
Hane S: 2554
Hanhijärvi H: 1689
Hannelin H: 3332
Hanocq-Quertier J: 468
Hanoune J: 4355
Hanrahan JP: 3337
Hansbury E: 3642
Hansel W: 3815-3816, 3816
Hansen AP: 4474
Hansen JM: 1690, 2491
Hansen KM: 1691
Hansen MM: 1692
Hansen T: 1693
Hanson JR: 599
Hanson JW: 1694
Hanson RW: 199
Hanson WL: 682
Hansson V: 1655
Hanzlicék J: 1695
Happle R: 1696
Hara F: 1802
Hara K: 2824
Harada A: 1697
Harada T: 1698, 1954
Haradin AR: 4346
Haraguchi KH: 4480
Haran-Gheira N: 290
Harano H: 2068
Harbut-Grylka A: 1411
Hardeman MR: 1699
Hardie IR: 758
Hardin WJ: 1700
Harding JD: 1701
Hardman JG: 3166, 3710-3711
Hardman YJ, WU and JG: 4502
Hardy KJ: 4558
Hardy RN: 409-410
Hardy RW: 1702
Harell A: 1129
Haresign W: 1703
Haring R: 2019
Harita T: 1704
Harithaithaworn S: 109
Härkönen M: 2336, 3351
Harley JM: 2596
Harmeyer J: 1705
Harms PG: 3039
Harness HR: 1706
Harper AE: 4165
Harper SC: 1203
Harricane MC: 1373
Harrington CA: 1219
Harrington JT: 1707
Harris H: 1537
Harris JE: 1708
Harris ME: 1709
Harris P: 105
Harris PJ: 1710
Harris SE: 2755
Harrison FA: 3571
Harrison HE: 706
Harrison MJ: 1711
Harrison RF: 1712
Harrison RG: 1713
Harrod MJ: 3092
Harsoulis P: 2032, 2185, 4611
Hart IC: 1714
Hartlala J: 1715
Hartley LC: 758
Hartman BK: 1064, 1716
Hartmann F: 1717
Hartmann HA: 4386
Hartog M: 430, 3787
Hartree AS: 1718
Hartwig W: 1719
Harvey JA: 940
Harwig JF: 1720
Harwig SSL: 1720
Harwood CR: 1721
Harwood JP: 3483
Hase T: 1722
Hasegawa J: 827
Haseman JK: 702
Hashimoto I: 3612
Hashimoto K: 1723
Hashimoto M: 4124
Hashimoto S: 4124
Hashimoto T: 2302, 2825

AUTHOR INDEX

- Hashizume K: 3064
 Hashizume T: 1724
 Hasinoff DJ: 1825
 Haslam RJ: 1725
 Haslam RHA: 691
 Haspels AA: 1726
 Hassan SM: 68
 Hassani M: 3510
 Hassler R: 1008
 Hata S: 4090
 Hata T: 2183
 Hatch FE Jr: 3256
 Hathaway WE: 1924
 Haug H: 4158
 Haugaard N: 1727
 Haugen HF: 328
 Haugen HN: 466
 Häulicä I: 1728
 Hauptthema C: 1729
 Hausmann E: 1730
 Hausmann L: 1489
 Haussler MR: 529
 Hauswirth R: 1731
 Havelka J: 273, 4626
 el-Hawary MF: 1372
 Hawk HW: 1732
 Hawkins DF: 1083
 Hay DA: 1733
 Hay MF: 1734
 Hayashi K: 2932
 Hayashi M: 1935
 Hayashi S: 1735
 Hayashida T: 746
 Haydl H: 4238
 Haye C: 1736
 Hayes JM: 2544
 Haynes NB: 1703
 Hayreh SS: 1737
 Hays MT: 1254
 Hayshi M: 1936
 Hazen EE Jr: 807
 Hazenberg M: 4329
 Heading CE: 2337
 Heady JE: 2154
 Healy RP: 1738
 Heaney PJ: 1739
 Heap RB: 1740, 1995, 3207, 3571
 Hearn JP: 1741-1742
 Hearnshaw H: 1743
 Heath RG: 3298
 Heavner GA: 2581
 Hebda PA: 3597
 Heberling RL: 2066
 Hebert JA: 1744, 2540
 Hecht NB: 1745
 Hecht Y: 1746-1747
 Hecker D: 1748
 Hecker WC: 1749, 2769
 Hector O: 2073
 Heczko P: 1750
 Hedeskov CJ: 614
 Hedfors E: 1751
 Hedlin AM: 1752
 Hedqvist P: 1676
 Hedstrand H: 1753
 Heersche JN: 1792
 Hefco VP: 1754
 Heick HM: 274
 Heidemann P: 4065
 Heikkinen ER: 2913
 Heimberg M: 891
 Heimbürger RF: 1755
 Heimpel H: 1756
 Heine MW: 1455
 Heinecke H: 1757
 Heinen G: 781
 Heinrich PC: 4471
 Heinrichs WL: 1430
 Heisler S: 1758
 Heist J: 1064
 Heistad DD: 2689
 Heltz Ph: 1759
 Heitzman RJ: 674
 Hekkelman JW: 1792
 Held E: 4473
 Held H: 1760
 Held R: 1761
 Hélène C: 685
 Heller ED: 1762
 Heller RM: 1839
 Hellman A: 1316, 2066
 Hellman L: 464, 1289, 3518
 Hellon RF: 1764
 Hellriegel KP: 4158
 Helman TA: 1774
 Helmke RJ: 2066
 Heloise Gard Brito BB: 1765
 Helsloot MH: 1766
 Hembree WC: 1767
 Hemmer M: 3451
 Hemminkl K: 1768-1769
 Hemon P: 3447
 Hendee J: 3174
 Henderson JF: 2342
 Henderson RG: 2079
 Hendrich CE: 1770
 Hendricks CH: 1024
 Hendricks J: 3685
 Hendrickx AG: 1771
 Hendry WF: 4433
 Henley SM: 4453
 Henmi Z: 1940
 Hennam JF: 2015
 Henneberry RC: 1772
 Hennemann G: 1773, 4388
 Hennen G: 2636
 Henning DC: 804
 Henning SJ: 1774
 Hénou Ch: 2578
 Henrickson RV: 1771
 Henrlon R: 1775-1776
 Henriques-Espinoza R: 1514
 Henry DP: 1777
 Henry RE: 1296
 Hensleigh PA: 1778
 Henville A: 1995
 Hepp KD: 3422
 Heppenstall RB: 1779
 Herbaczynska-Cedro K: 1780
 Herberg LJ: 1072
 Herbert V: 1781
 Herbert WJ: 1782
 Herbinger W: 1783
 Herd PA: 1784
 Heremans GFP: 4366
 Herlington AC: 902
 Herlicoviez D: 1785
 Herman AG: 1786
 Herman ZS: 1787
 Hermanek P: 1788
 Hernuss P: 495
 Héroux O: 1789
 Herre HD: 1526
 Herrera E: 648
 Herrmann J: 1790
 Herrmann JP: 1826
 Herrmann K: 1791
 Herrmann-Erlee MP: 1792
 Hershman JM: 1421
 Herson J: 1793, 1968
 Hervet E: 72
 Herzfeld A: 1794
 Herzmann J: 3310
 Herzog P: 3900
 Hesch RD: 4408
 Heshmat MY: 1968
 Hess R: 1344
 Hesse J: 1123, 1179
 Hetzel WD: 1795
 Heuck F: 1796
 Heuson JC: 3542
 Hewett C: 1797
 Hewitt RR: 2787
 Hewitt SR: 1798
 Hiatt N: 1799
 Hiatt WR: 2881
 Hib J: 1800
 Hibroven E: 3765
 Hicks R: 149
 Hicşönmez G: 1801
 Hidaka H: 1802
 Hienz HA: 2769
 Higa OZ: 3250
 Higglinbottom J: 1803
 Higgins GD: 941
 Highfield DP: 1804
 Highnam KC: 2591
 Hildebrand B: 546
 Hildebrandt-Stark HE: 1805
 Hilden T: 265
 Hilderson HJ: 993, 1806
 Hilgenfeldt U: 1623, 1807, 2778
 Hill BT: 3315
 Hill DJ: 1323
 Hill HR: 1808
 Hill JA: 2607
 Hill KR: 1809
 Hill LF: 2749
 Hill MJ: 224
 Hill R: 2679
 Hillard MA: 1810
 Hillbom ME: 1811
 Hillenbrand P: 226
 Hillier J: 1812
 Hillier JG: 1812
 Hillman LS: 1813
 Hilse K: 3552
 Hilton SM: 1814
 Hilwig I: 2356
 Hinckers K: 2463
 Hinde RA: 4005
 Hinderer H: 2740
 Hine N: 1704
 Hinegardner RI: 477
 Hinks WM: 1815
 Hipkin LJ: 917, 4077
 Hiramatsu K: 2291
 Hirano H: 3067
 Hirano M: 4287
 Hirashima A: 1816
 Hiroi K: 2918
 Hirsch A: 724
 Hirsch D: 4478
 Hirsch E: 3941
 Hirsch MS: 3321
 Hirsh D: 309
 Hisada K: 2862
 Hitkari R: 3883
 Hiwatashi A: 1817
 Hladik M: 4415
 Hlaváček V: 1818
 Hlavatý P: 1819
 Ho HC: 4449
 Ho IK: 1820
 Ho NK: 1821
 Ho R: 1822
 Ho RJ: 1823-1824, 4084
 Hobbs CH: 293
 Hobson WC: 3431, 4556
 Hochberg AA: 2151
 Hoda Q: 1825
 Hodach RJ: 1826
 Hodgkin JE: 1827
 Hodgson BJ: 1828
 Hodgson JC: 1829
 Hodgson KO: 4566
 Hodgson RA: 2338
 Hodgkinson HM: 175
 Hoerman KC: 1830
 Hoff HG: 2381-2382
 Hoff KM: 1831
 Hoffer BJ: 408
 Höffken K: 3735
 Hoffman G: 1423
 Hoffman H: 2776
 Hoffman JC: 1832, 3963
 Hoffstein S: 1833
 Hoffsten P: 1450
 Hofmann M: 1834
 Hofmann N: 269
 Hofmann R: 1835
 Hogan NA: 1808
 Höhling HJ: 1836
 Hojer B: 1837
 Hojo H: 2076
 Hökfelt T: 1838
 Hokkanen E: 2913
 Holden KR: 1839
 Holdrowicz M: 1840
 Hole K: 1841
 Holland DR: 1842
 Holland JM: 1444, 1843
 Hollander CS: 412
 Holdorf L: 3721
 Hollenberg MD: 1844-1845, 3045
 Höller M: 1846, 3372
 Hollifield JW: 1847, 3759
 Hollinger MA: 1472
 Hollis TM: 427
 Hollister AS: 487

AUTHOR INDEX

Hollister DW: 1337, 1848, 2330, 3457
Hollmann G: 3902
Hollósz J: 4553
Holmes PV: 1849
Holmes RL: 1850, 2202
Holmquist G: 1851
Holmsen H: 1852
Holmström B: 1853
Holst PA: 1854-1855, 2964
Holst PJ: 1856
Holt G: 1346
Holt S: 940
Holt WF: 1857
Holtz G: 2677
Holtzman S: 1858-1859
Homborg JC: 1921
Homma K: 2301
Homoki J: 1860
Honda M: 2781
Hong DD: 3899
Hong KC: 840
Hong R: 2204
Honma Y: 1861
Hontela S: 1862
Hoo JJ: 1863
Hook EB: 1864
Hook JB: 182
Hooker CW: 1865-1866
Hooper KC: 1583-1584
Hooper MJ: 1868
Hope GC: 1869
Hopefl AW: 1870
Hopfer U: 1871
Hopgood MF: 199
Hopkins PS: 881
Hopkins SV: 1872
Hopkinson CR: 1583
Hoppe J: 1873
Hoppel CL: 820
Hoppen HO: 198, 1874
Horák C: 1875
Horakova Z: 2084
Horbelt DV: 3471
Hördegen KM: 1876
HÖRDER M: 1877
Hofejší J: 1878-1880, 3310
Horel JA: 2126
Hörhold C: 1881
Hori S: 1882, 2068
Horikawa S: 2164
Horikoshi H: 1883
Horio K: 2737
Horn H: 1274, 1425, 4390
Horn V: 1884
Hornych A: 1885
Hornykiewicz O: 1886
Horowitz JM: 1380
Horowitz S: 3140
Horrobin DF: 1887
Horsch W: 1888
Horský J: 1889-1891
Horst HJ: 1892, 2274
Horth CE: 1893
Horton JM: 1894
Horton WA: 3666
Horvat A: 1895
Horvath E: 2248
Horvath FL: 3186
Horvitz RA: 1896
Horwitz BA: 1380
Horwitz KB: 1897
Hoscholan JC: 3546
Hösemann R: 1049
Hosey MM: 1898
Hoshino J: 1899
Hoskins HA: 733
Hosoya T: 1900
Hotchkiss J: 580
Houdebline LM: 143
Houdek J: 1901
Houghton LE: 474
Hourdry J: 3405
Houslay MD: 4457
Hovig T: 3076
Howard G: 1902
Howatt WF: 167
Howell KE: 836
Howells GR: 1563
Howland BE: 4616
Howorth PJ: 2702

Hreshchysyn MM: 2149
Hrnčíř Z: 1903
HRTEL M: 58
Hruby R: 4237
Hruby VJ: 1650, 2486
Hsia JC: 2282
Hsia SL: 1904
Hsie AW: 445, 3706
Hsiung HM: 2108
Hsu IC: 4340
Hsu JM: 1905
Hsu SH: 3628
Huamonte F: 4164
Huang DW: 769
Huang ES: 3807
Huang SN: 1507
Huang YZ: 1794
Hubault A: 1906
Hubay CA: 1907
Huber Z: 3378
Hubert E: 468
Hübner M: 1881
Hübner W: 1598
Huck H: 1908
Hudson P: 1299
Hudson B: 2562
Hudson CN: 856
Huff K: 3819
Huggins CB: 3393
Huggins RA: 3818
Hughes GN: 3457
Hughes JP: 1909
Hughes JR: 95-96
Hughes MJ: 1910
Hughes RE: 385
Hughes RL: 223, 1911
Hugues A: 1084
Huh K: 1912
Huisjes HJ: 1166
Hullin RP: 1913-1914
Humphrey EW: 4209
Humphrey R: 3382
Humphrey RM: 2787
Humphreys ER: 1563
Humphries WR: 2879
Hunder GG: 1915
Hungerford DS: 3551, 3760
Hunt D: 4595
Hunt RD: 1585
Hunter FH: 1916
Hunter JO: 668
Hunter JT: 3215
Hunter WM: 2631, 4339
Hupka S: 3073
Hurley DL: 1917
Hurley RJ: 385
Hurst PE: 2402
Hurst RK: 1904
Hurt P: 1918
Hurwitz S: 1129
Husain R: 3892
Huseby RA: 2313
Husen NV: 1049
Huškova M: 2216
Hussels IE: 1919
Husslein VH: 1920
Husson JM: 1921
Huston TM: 2
Huszno B: 3862
Hutcheson RH Jr: 2854
Hutchison RE: 1922
Huth J: 4285
Hüttenrauch R: 1923
Hutter JJ: 1924
Huttner WB: 1925
Hutton K: 1292
Hutzinger O: 3578
Hutzschenreuter P: 741
Huusko PJ: 2977
Hwang P: 1926
Hyman AL: 1497, 2052
Hynie S: 1927

Iangibaev M: 4275
Iannaccone PR, Syracuse, NY: 1930
Iannetti P: 1018
Iarmol'chuk GM: 2250
Iarygin VN: 1931
Iasnov AE: 552
Ibach B: 1932, 4491
Ibáñez IR: 3134
Ibarra JD: 1933
Ibbertson HK: 21
Ichickawa Y: 1817
Ichikawa S: 1934
Iela L: 2812
Ignjatovic Z: 4102
Iguchi Y: 1935-1936
Ihrig TJ: 3425
Ikeda H: 2920
Ikeda T: 1950
Ikede BO: 1937
Ikejiri K: 1697
IKEMOTO N: 1420
Il'icheva RF: 4308
Il'in KV: 4646
Illig R: 323
Illingworth DV: 1938
Illingworth JA: 4277
Illner P: 4080
Illnerová: 1939
Imal M: 1595
Imalzumi Y: 1940
Imhof H: 4237
Imura H: 2738
In der Maur GA: 1941
Inaba M: 1942
Inaba Y: 804
Inada M: 1943
Inami I: 2872
Incefy GS: 4232
Indiveri F: 3499
Inesi G: 3573
Infante PF: 1944
Infelise V: 3135
Ingbar DH: 1945
Ingbar SH: 159
Ingberman CM: 3935
Ingham CA: 1004
Inglesi J: 3188
Ingram DL: 1309
Ingrand J: 1946
Inman WH: 1566, 2672
Innan H: 3042
Inoue G: 1191
Inoue K: 4605
Inskeep EK: 3226
Ippoliti G: 4049
Ireland PH: 3189
Irokawa N: 4
Irsigler K: 3678
Irvin JL: 480, 1589
Irvine RE: 1947
Irvine WJ: 21
Irving RA: 2644
Isaac R: 1366, 1948
Isaacs H: 3579
Isaacs WA: 3955
Isaacson LC: 990
Isakson PC: 2949-2950
Iseri LT: 1949
Ishihara T: 1950
Ishii S: 1368
Ishikawa G: 4118-4119
Ishikawa T: 514
Ishimitsu H: 1951
Ishimura Y: 2060
Ishizuka N: 4220
Isizuka Y: 3637
Iskrov VV: 2061
Island DP: 3759
Island TK: 3739
Isobe Y: 2291
Israel Y: 1952
Isreal HL: 1953
Isselbacher KJ: 4447
Ito K: 1954
Ito M: 2864
Ito S: 1955
Itzkowic D: 3811
Iufa Eia: 1956
Iunda IF: 1957
Ivan J: 3733

I

Iakimashko GE: 3112
Iakovenko VV: 1928
Iakovleva ND: 1929
Ianás O: 876-877

AUTHOR INDEX

Ivanišević B: 1958
 Ivanišević V: 1958
 Ivanova GV: 1557
 Ivanova M: 1020
 Ivanova RD: 3634-3635
 Ivanyi J: 1959
 Ivashkin VT: 1062
 Iwai E: 2098
 Iwaki A: 3035
 Iwamoto M: 1960-1961
 Iwamoto Y: 4592
 Iwamura Y: 1962
 Iwanowski L: 1963
 Iwasa Y: 1964
 Iwata H: 1912
 Iyengar L: 30, 1965, 2280
 Izaković V: 2959
 Izant RJ Jr: 2605

J

Jaap RG: 1310, 3949
 Jack PM: 1308, 1966
 Jack W: 2440
 Jackaniz TM: 2986
 Jackett PS: 2556
 Jackson AG: 1968
 Jackson CE: 405
 Jackson DE: 1046
 Jackson H: 3845
 Jackson JF: 1967
 Jackson MA: 1968
 Jackson N: 80
 Jackson RA: 2032
 Jackson SH: 1969
 Jacob C: 2951
 Jacob JC: 2697
 Jacob J: 2524
 Jacobowitz DM: 1970
 Jacobs H: 1971
 Jacobs HL: 3941
 Jacobs HS: 474, 1327, 1998
 Jacobs JW: 1972
 Jacobs LS: 3460, 4633
 Jacobs MM: 1973
 Jacobs P: 1974
 Jacobs S: 1975
 Jacobsen K: 2073
 Jacobson ED: 459
 Jacobson G: 3511
 Jacobsson H: 407
 Jacobsson SO: 2574
 Jacques J: 1284
 Jadot G: 2779
 Jadoun G: 2840
 Jaeger E: 4062
 Jaffer F: 94
 Jaffiol C: 1976
 Jager BV: 151
 Jagllo G: 1977
 Jagodić V: 3899
 Jähne M: 1978
 Jahnke V: 4173
 Jahnová E: 2321
 Jaju B: 2516
 Jakob RP: 2080
 Jakobsen A: 1979
 Jakowicki J: 2268
 Jakuba E: 1980
 Jakubowicz B: 1656
 Jakubowska M: 3127
 Jakubowski S: 4585
 Jalabert B: 493-494
 Jalbert P: 2657
 James GW: 732
 James KC: 1981
 James WH: 1982
 Janczewski Z: 163, 860
 Janicki P: 49
 Janke J: 1983
 Jansa M: 2515
 Jansen HG: 4038
 Janson O: 1984
 Janson PO: 1985
 Januszewski J: 1986
 Jaramillo F: 4046
 Jard S: 1987-1988
 Jarett L: 2420
 Jarman TR: 235
 Jarosik N: 4636
 Jaroszewicz L: 1989
 Jarrett O: 2621
 Jarrett W: 2621
 Jarskär R: 339
 Jasani MK: 2146
 Jasin HE: 1990
 Jaspart W: 2343
 Jastorff B: 1873, 3883
 Jászai V: 719
 Jauker U: 1074
 Jaw CY: 1991
 Jaworski ZF: 1992
 Jayle MF: 24
 Jeanmire-Zylberberg R: 1993
 Jeansonne BG: 1994
 Jeffcoate SL: 1584
 Jefferson LS: 3369
 Jeffrey JJ: 912
 Jelonek A: 2946
 Jenkin G: 1995
 Jenkins GN: 4146
 Jenkins PG: 4658
 Jenner FA: 178
 Jenner P: 3203
 Jenny BF: 1996
 Jensen AR: 1997
 Jensen CA: 4278
 Jensen P: 3373
 Jensen R: 3242
 Jensh RP: 2240
 Jentys W: 3237
 Jequier AM: 1327, 1998
 Jeren B: 107
 Jerva MJ: 1999
 Jesel L: 549, 2000
 Jeske R: 3278-3279
 Jesse R: 931
 Jesserer H: 2001-2002
 Jewelewicz R: 4458
 Jewett HJ: 2003
 Ježek J: 1878
 Jin T: 2004
 Jirásek J: 4371
 Jirásek JE: 1879
 Jirkalová V: 2216
 Joannard A: 2657
 Joasoo A: 2005-2006, 2619
 Job JC: 690, 2007
 Jöchle W: 2008, 4641
 Joeke AM: 3229
 Joel EW: 2134
 Joerlin MM: 2009
 Johannigmann J: 4621
 Johanson AJ: 4350
 Johanson J: 2907
 Johansson ED: 451, 2986, 4526
 Johansson O: 1838
 Johansson S: 85
 Johansson EDB: 2010
 John B: 3240
 Johnansson R: 418
 Johns A: 2011
 Johns EJ: 2012
 Johnsen SG: 2013
 Johnson AG: 1685
 Johnson AM: 1381
 Johnson AR: 1538
 Johnson B: 1637
 Johnson BH: 2014
 Johnson CB: 396
 Johnson CM: 942
 Johnson DA: 2015
 Johnson DE: 1286
 Johnson DG: 1777
 Johnson E: 2125
 Johnson EM Jr: 1064
 Johnson ES: 3461
 Johnson GL: 743
 Johnson GS: 3158
 Johnson HD: 4334-4336, 4335-4337
 Johnson JA: 2016
 Johnson JG: 3256
 Johnson L: 4506
 Johnson LR: 2017
 Johnson LW: 2018
 Johnson LY: 3415
 Johnson MA: 4202
 Johnson R: 2019
 Johnson RE: 1004

Johnson RN: 1592
 Johnston AW: 2020
 Joiner PD: 1497, 2052
 Jolicoeur P: 2329
 John T: 3202
 Jonat W: 1141
 Jones AR: 1134
 Jones BR: 3028
 Jones CW: 192
 Jones D: 1793
 Jones DA: 2644
 Jones DG: 2021-2022
 Jones DI: 2883
 Jones ER: 282, 670, 2023
 Jones GW: 1968
 Jones JR: 2024
 Jones K: 4372
 Jones KL: 2025
 Jones KV: 4500
 Jones PE: 971
 Jones RL: 2026-2027
 Jones RS: 2028
 Jones RW: 2754
 Jones V: 2352
 Jones WB: 2029
 Jones WG: 2030
 JONSSON G: 2988
 Joó F: 1663
 Joosten HFP: 2031
 Joplin GF: 2032
 Jordan H: 1228
 Jordan RK: 2033
 Jordan VC: 2034
 Jörg KH: 3738
 JØRGENSEN CB: 2035
 Jorgensen FS: 2036, 4240
 Jorgensen H: 3799
 Jorgenson RJ: 2037
 Joseph C: 2038
 Joseph NH: 3969
 Joseph T: 1966
 Joshi HS: 2039
 Joshua DE: 1223
 Joshua JO: 2040
 Josimovich JB: 2525
 Joss EE: 4666
 Jossierand C: 4179
 Jošt K: 3708
 Jowsey J: 1433
 Joyce JW: 1915
 Joyner RW: 1809
 Józwicka E: 2041
 Juberg RC: 2042
 Juchau MR: 1542
 Judd A: 178
 Judd BH: 2110
 Judd HL: 3150
 Judelman H: 2043
 Judge TG: 593
 Juhn SK: 2044
 Juliet Y: 4150
 Julian BT: 1392
 Juliano RL: 2045
 Jullien J: 2858
 Jundt H: 2046
 Jung DH: 3144
 Jungmann RA: 2047
 Junstad M: 2048
 Jurančiková M: 3733
 Jürgensen O: 2049
 Jurko MF: 95-96
 Just-Nastansky I: 2412
 Just-Viera JO: 2050
 Jutisz M: 2051, 2307
 Juvina E: 3072
 Juzbašić P: 1958

K

Kachura VS: 1115
 Kadagidze ZG: 4241
 Kadowitz PJ: 1497, 1568, 2052
 Kadri A: 2053
 Kadri AM: 1376
 Kadyrova DA: 4274
 Kahan B: 2054
 Kahn CR: 2055
 Kahn D: 2056
 Kahn DR: 2057

AUTHOR INDEX

Kaiser H: 2058
 Kaiser W: 2059
 Kajanoja P: 3351, 4526
 Kajimoto Y: 2060
 Kakhana MS: 2061
 Kakiuchi S: 2062
 Kalala LR: 1528
 Kalamkarian AA: 2063
 Kalant H: 1952
 Kalderon AE: 2064, 4620
 Kaledin VI: 2065
 Kalifat R: 653
 Kalinski R: 4568
 Kalisker A: 3205
 Kallum B: 2919
 Kalter SS: 2066
 Kaltoft S: 2073
 Kalyaeva TA: 3594
 Kalyanaraman S: 2067
 Kalz F: 1376
 Kamata K: 1942, 2068
 Kambos D: 2360
 Kameda Y: 2069
 Kamel F: 2831
 Kamel LM: 3849
 Kamien M: 2070-2072, 2071-2072
 Kamiyama M: 3748
 Kamme C: 4299
 Kamoun P: 1606
 Kamper-Jorgensen F: 2073
 Kampf E: 63
 Kampmann JP: 2036
 Kampo MA: 86
 Kanagasabapathy AS: 2074
 Kanaka TS: 196
 Kandalla AK: 2075
 Kaneko H: 2076
 Kaneko T: 2077-2078
 Kang YH: 82
 Kanis JA: 2079
 Kankaanpää U: 2080
 Kann G: 2081
 Kanno H: 1675
 Kanno Y: 1964
 Kanstein CB: 1460
 Kantner JF: 2082
 Kantor HS: 2083
 Kantounis S: 517
 Kantrowitz PA: 915
 Kapen S: 464
 Kaplan A: 2582, 4609
 Kaplan AP: 2084
 Kaplan EL: 2434
 Kaplan JA: 177
 Kaplan L: 2085
 Kaplan NO: 4360, 4597
 Kaplan SA: 2512
 Kaplan SL: 786
 Kapoor S: 4435
 Kapoor SK: 1968
 Kappagoda CT: 2086
 Kappas A: 2642
 Kappeler M: 270
 Kappert A: 2087
 Kaprellan G: 2654
 Kapuscinski WJ: 2088
 Karachoriu KV: 3444
 Karelin AA: 2089
 Karetzky MS: 2090
 Karev NI: 2091
 Kark AE: 1577, 3140
 Karli P: 1126
 Karlsson K: 2092
 Karmanski IM: 1438
 Karobath ME: 2093
 Karow AM Jr: 3838
 Karpenko EI: 1957
 Kartt LR: 1472
 Karuzina II: 117
 Karyakin AV: 117
 Kasagi K: 1943
 Kasahara Y: 2118
 Kasal M: 1675
 Kasarov L: 2100
 Kasavina BS: 2094
 Kashechkin IuP: 2095
 Kashina IM: 3822
 Kasper H: 3700
 Kass I: 1827
 Kassel J: 919

Kassell B: 4540
 Kastin AJ: 320, 1199, 1514, 2096, 4046, 4633
 Katagiri T: 2097
 Katahira K: 2098
 Katano A: 2076
 Katanyukul PJ: 2099
 Katayana K: 2932
 Katayanagi T: 1799
 Kateley JR: 2100-2101
 Katevuo K: 2234
 Kather L: 3926
 Kathrein JR: 702
 Katinas Via: 3291
 Katiyar GP: 2102
 Kato Y: 2103, 2738
 Katori T: 2060
 Katra BS: 3553
 Katsas AG: 3942
 Katsoyannis PG: 1895
 Katunuma N: 2104
 Katz AJ: 2806
 Katz AM: 2105
 Katz FH: 2106
 Katz JL: 2107
 Katz JM: 450
 Katz R: 2665
 Katzenellenbogen BS: 2108
 Katzenellenbogen JA: 2108
 Kau ST: 2109
 Kauffman P: 4288
 Kaufman HE: 373
 Kaufman RL: 3457, 3460
 Kaufman TC: 2110
 Kaufmann HJ: 2111
 Kaufmann J: 1892
 Kaufmann M: 2740
 Kaufmann W: 1029
 Kavanagh TM: 1248
 Kaveggia EG: 1826
 Kavlock RJ: 702
 Kaw JL: 2112
 Kawahara FS: 2113
 Kawai M: 2114
 Kawakami M: 2115-2117, 2172
 Kawamura Y: 2118-2119
 Kawano A: 2120
 Kawashima Y: 1675, 3042
 Kay AB: 2021
 Kay CR: 2121
 Kay G: 3579
 Kay S: 3239
 Kayanja FI: 2122
 Kayes JB: 2123
 Kazama Y: 1943
 Kazantseva GV: 2124
 Keane PM: 2125
 Keating EG: 2126
 Keating FR: 3359
 Keatinge AMB: 3886
 Keeler RF: 2127
 Keely SL: 796
 Keely SL Jr: 2128
 Keenan BS: 2129
 Keenan J: 4533
 Keeton K: 601, 3221, 3223
 Kehlet H: 2130
 Kell LC: 2131
 Keirns JJ: 382
 Keirns M: 382
 Keirse MJ: 2132
 Kelsner HR: 46, 3690
 Kellaway IW: 2701
 Kellen JA: 672
 Keller AZ: 2133
 Keller E: 2134
 Kelley VC: 3565
 Kelloff GJ: 3619
 Kelly AM: 2135
 Kelly LA: 2136
 Kelly PH: 2808
 Kelly TE: 2137-2141, 2139
 Kelly WG: 3467
 Kelvin FM: 2140
 Kem DC: 4481
 Kemble ED: 2141
 Kemeter P: 1342
 Kemmler W: 2142, 2532, 3422-3423
 Kempen HJ: 2143
 Kendall-Taylor P: 21
 Kenéz J: 2059

Kennedy AC: 2144-2146
 Kennedy J: 1968
 Kennedy JA: 941
 Kennedy RE: 2147
 Kenner CT: 1550-1551
 Kenny MA: 2401
 Kenny-2 AD: 2148
 Kent J: 1090
 Kent KM: 46
 Keogh B: 2149
 Keogh EJ: 2562
 Keppens S: 994, 2150
 Keppy DO: 4505
 Kępski A: 1051
 Kerdelhue B: 551, 2307
 Keren-Zur M: 2151
 Keret R: 2365
 Kermod JC: 3269
 Kernbaum S: 2152
 Kerr A: 804
 Kerr IB: 618
 Kerr JB: 2153
 Kerr JW: 1649
 Kerr SJ: 2154
 Kerridge D: 1381
 Kershulis AA: 2266
 Kerstein MD: 122
 Kesler GA: 2155
 Kessel R: 269
 Kessler S: 218
 Kessler WV: 3195
 Kettenjian AY: 2156
 Kettler D: 3964
 Keusch GT: 1548
 Keutmann HT: 2157
 Key SL: 2949-2950
 Khabarina TD: 2646
 Khadapkar SV: 2158
 Khairallah PA: 2906
 Khalitov RM: 346, 2159
 Khakimov PA: 4275
 Khalaf S: 4458
 Khalil GM: 3793
 Khan A: 2160
 Khan FA: 2160
 Khanna JM: 1952
 Kharchenko TI: 1115
 Kharitonov EI: 552
 Khatamee M: 4446
 Khlitov NK: 3168
 Khmel'nitskiĭ OK: 2161
 Kho B: 2019
 Khodorova NA: 201
 Khojandi M: 4285
 Khoo SK: 4183
 Khosla MC: 2906
 Khoury K: 1104
 Khovanskaya TP: 1182
 Khuri RN: 2162
 Kidevac-Miljković A: 2830
 Kićović P: 2978
 Klehnscherf R: 1795
 Klelar RA: 4483
 Kielbiska S: 3237
 Kiernan JA: 2614
 Kiernan T: 2408
 Kierszenbaum AL: 2163
 Kierulf P: 2579
 Kigawa A: 114
 Kiguchi Y: 4606
 Kikuchi I: 2164
 Kikuchi K: 1950
 Kilcoyne MM: 2165
 Kilišek L: 2916
 Kill F: 1148
 Killewich L: 3718
 Killinger DW: 2212
 Kilpatrick L: 2166
 Kim HP: 267
 Kim J: 2167
 Kim KH: 3778
 Kim KS: 267
 Kim Y: 2169
 Kim YK: 453, 2168
 Kim YS: 2169
 Kim H-P: 266
 Kimbel P: 1827
 Kimberg DV: 4439
 Kimoto T: 2170-2171
 Kimura F: 2115-2116, 2172

AUTHOR INDEX

- Kimura H: 2173
 Kind PD: 1316
 Kling AR: 2174
 Kling CA: 2175
 Kling CR: 3686
 King G: 2026
 King LJ: 4570
 Kingston WP: 1560
 Kinne RK: 2176
 Kiraf K: 2177
 Kirchberger MA: 2105
 Kirchgessner M: 3727
 Kirchner CR: 807
 Kirdani RY: 3605, 4349
 Kir'akov MA: 1929
 Kiricuta I: 2178
 Kirkegaard C: 2179
 Kirpekar SM: 1040
 Kirschenbaum MA: 4011
 Kirshner N: 2900
 Kirton KT: 2810
 Kiryabwire Y: 2637
 Kliseleva ES: 2180-2181
 Kishsh Ch: 292
 Klsane J: 842
 Kister G: 3329
 Kistler A: 2182
 Klszkiss DF: 2541
 Kita T: 2183
 Kitamura K: 3829
 Kitchenham BA: 674
 Kito K: 3829
 Kittstein W: 1609
 Klvinleml K: 3570
 Klizer JS: 521
 Kjaer TB: 2184
 Kjaerulff E: 2073
 Kjeld JM: 2185
 Kjeld M: 712
 Kjellberg RN: 2186
 Klačanský T: 2959
 Klaus S: 1757
 Klausch B: 1835
 Klawans HL: 2187, 4482
 Klebanoff SJ: 742
 Kleerekoper M: 4472
 Klein I: 2445
 Klein L: 646
 Kleinberger G: 4238
 Kleinkauf H: 246
 Kleinknecht D: 1606
 Kleinman LI: 2534
 Kleinmann K: 2543
 Kleissl HP: 269
 Kleiža V: 2188
 Klempner MS: 3769
 Klemt W: 2134
 Klepp O: 2189
 Klepp R: 2189
 Klepping J: 2190
 Kletzien RF: 2191
 Kley HK: 2192-2193
 Klick RL: 1641-1642
 Kilman B: 2186
 Kliment V: 2194
 Klimov VS: 2384
 Klinge E: 2195
 Klinkhamer AC: 1941
 Klootwijk W: 4388
 Kloppel TM: 2196
 Kloppner AI: 4094
 Klug H: 1748
 Knaap AG: 2262
 Kniewald J: 2197
 Kniewald Z: 2197
 Knight BL: 2198-2199, 3907
 Knight JF: 2200
 Knight MA: 853
 Knight RA: 2166
 Knight S: 2352
 Knobl E: 580, 4557
 Knock CA: 990
 Knoll D: 2966
 Knopp J: 2201
 Knorre AG: 2251
 Knott PG: 1561
 Knotts L: 1657
 Knowles L: 4496
 Knox FG: 2203, 3689
 Knox GE: 2204
 Knox K: 1730
 Knudsen J: 2205
 Knuppen R: 198, 1429, 2206
 Knuppen tr: 197
 Ko J: 4072
 Ko-Anantakul S: 109
 Kobayashi H: 4148, 4417
 Kobayashi J: 2207
 Kobayashi K: 3623-3624, 3624, 4605
 Kobayashi M: 3035, 3825
 Kobayashi N: 2076
 Kobayashi S: 3461
 Kobayashi T: 2291
 Köbberling J: 4408
 Koblianska GN: 1114
 Koch FG: 2535
 Koch N: 3174
 Koch Y: 2936
 Kochakian CD: 2208-2209
 Kochen M: 3120
 Kochhar DM: 1570
 Kociba GJ: 3492
 Kocsis JJ: 3935
 Kodama M: 2210-2211
 Kodama T: 2210-2211
 Kodicek E: 1168
 Kodokoro T: 4463
 Koeff ST: 167
 Koehler BE: 2212
 Koerner S: 2034
 Kögel J: 1888
 Koh KS: 2213
 Koh TY: 1381
 Köhler F: 1264
 Kohler H: 2226
 Kohler PO: 3006
 Kohlase R: 4590
 Kohn LD: 2214
 Kohn R: 2527
 Kohout J: 2215
 Kohoutek F: 2216
 Kohoutek M: 2216
 Koide SS: 575-576
 Kolke S: 2872
 Kolstinen J: 2217
 Kolzumi K: 514
 Kolzumi Y: 1964
 Kojima A: 1697, 1964, 3064
 Kojima K: 2862
 Kokina LP: 2218
 Kokko JP: 1595
 Kokubu T: 3637
 Kolarov P: 1434
 Kol'chinskala TA: 2219
 Kolena J: 2612
 Kolff WJ: 2220
 Kolihová E: 4073
 Kollos AS: 3942
 Kolm HP: 29
 Kolodej A: 2252
 Kolomin LV: 1235
 Kolpakov MG: 256
 Kómár J: 2221
 Komarov FI: 2222
 Komblos S: 4102
 Komissarova IV: 2223
 Komorowska A: 2224
 Kondo K: 3618
 Konev SV: 2225
 König MP: 2226, 4666
 König W: 1426
 Konijn TM: 2734
 Kono T: 2227-2228
 Konrády A: 4116
 Konradzhian AS: 1441
 Konwiński M: 214
 Kónyves I: 479, 2843
 Kook AI: 4239
 Kopin IJ: 1687, 2229, 4180
 Kopits SE: 2230, 2471
 Kopsa H: 3684
 Kopschitz MM: 116
 Kora S: 2231
 Korda AR: 2232, 2585
 Kordenko AN: 3839
 Koref O: 1238
 Korellitz BI: 312
 Korenevskaya MI: 87
 Kori S: 1935-1936
 Korkach VI: 2233
 Korman E: 4429
 Kormann LA: 2126
 Kormano M: 2234, 3197
 Kornel L: 2235
 Körner F: 2236
 Korner PI: 2237
 Kornfeld P: 3140
 Kornlushenko NP: 2720
 Környey E: 2238
 Koroleva SA: 4395
 Korzeniewska D: 3862, 4107
 Kosch PC: 976
 Kosef O: 2177
 Kosenow W: 4500
 Koshihara H: 1962
 Koshino K: 2239
 Kosowicz J: 1073
 Kosta L: 584
 Kostov LD: 1536
 Kosugi I: 3042
 Koszalka TR: 2240
 Kotásek A: 4073
 Kotchen JM: 2241
 Kotchen TA: 977, 2241
 Koto Y: 2721
 Kotot F: 2242
 Kotova DG: 2243
 Kotova SM: 2244
 Kotseronis J: 3964
 Kotzauerek R: 4238
 Kourides IA: 2245
 Koutecký J: 1879
 Koutras DA: 2246
 Kouttab NM: 1316
 Kováč R: 2247, 4414
 Kovács K: 1402, 2248, 2733
 Kovalev VF: 2249
 Kovi J: 1968
 Kovtuniak NA: 2250
 Kovtunovich NG: 2251
 Kowalewski K: 2252
 Kowalewski S: 1635
 Kowalik-Borówka E: 4147
 Kowalska E: 4561
 Kowalski C: 4048
 Kowalski S: 4625
 Kowarski A: 2403, 4350
 Koyama K: 2873
 Koyuncuoğlu H: 2253
 Kozak LP: 3336
 Kozek WJ: 2254
 Kozhemiakin LA: 1062
 Kozielec T: 1986
 Kozlová J: 1890
 Kozlova MD: 2449
 Kozlovskala ZP: 4648
 Kozlovskii A: 1076
 Kozlovskis PL: 606
 Kozłowski A: 1075
 Kozłowski K: 2255
 Kozłowski P: 3699
 Kozu T: 4127
 KPROST K: 3132
 Kraaijpoel RJ: 2256
 Kraay RJ: 2108
 Kraeling RR: 2257
 Kraemer DC: 2066
 Kraevskii NA: 2258
 Kraft D: 3647
 Krah ME: 2550
 Krakhmal'nikova GK: 2259
 Krakow JS: 2260
 Krall JF: 2261
 Kram R: 2834-2835
 Kramer E: 4643
 Kramer NJ: 4481
 Kramer PF: 243
 Kramer-Blankestijn M: 2346
 Kramers PG: 2262
 Krahková K: 4019
 Krantz MJ: 4434
 Kráskova A: 97
 Krasnobaev PE: 2908
 Krassas GE: 2263
 Kratochvil VA: 2264-2265
 Kralialis KI: 2266
 Kraus H: 1428
 Krause EG: 2267
 Krauze M: 2268
 Krebs A: 4668

AUTHOR INDEX

Krebs EG: 264
 Kreher P: 560
 Kreider JW: 2269
 Kreighbaum WE: 3602
 Krelke AJ: 4038
 Krels H: 1606
 Krejčák L: 1660, 2508
 Krell L: 1061
 Křemenová J: 2270
 Kremer M: 2352, 4533
 Kremer WB: 2271
 Krempien B: 432, 2272-2273
 Kretschmer N: 1774
 Kretschmer G: 4238
 Kretser DM: 2562
 Kretschmann U: 1888
 Kreutzer G: 3279
 Kricheff II: 1437
 Krieg M: 2274
 Krieger AJ: 2275
 Krieger DT: 2276-2278, 2509
 Křikal Z: 1639
 Krikler DM: 2279
 Krishnamachari KA: 2280
 Kristt DA: 2281
 Kröger H: 1899
 Krohs G: 1791
 Król C: 2653
 Kronblatt JA: 2282
 Krone W: 1925
 Kronenberg H: 1223
 Kronseder A: 277
 Kropinov PI: 2521
 Krotov VP: 3806
 Krueger BK: 2658
 Krug JP: 2454
 Krüger C: 2283
 Krüger M: 3721
 Kruglova GV: 2284
 Kruglova VA: 2285
 Krumdleek CL: 2286
 Kruš S: 2287
 Kruse HP: 2295
 Kruse I: 1011
 Krüskemper HL: 1790, 2192-2193
 Krutsay M: 2288
 Kruse D: 4565
 Kryk B: 654
 Krymskaja ML: 3212
 Krzemińska T: 1412, 2289, 4569
 Kubal L: 662
 Kuberski TT: 2290
 Kubik V: 1660
 Kubo A: 2291
 Kubota S: 3829
 Kučera E: 187, 2292
 Kuchel O: 2395, 2781, 4133
 Kucherenko AG: 206
 Kuczńskasekieta K: 660
 Kudlák E: 2293
 Kudová M: 1884
 Kudriashov IuB: 3952
 Kudrna R: 1125
 Kudrow L: 2294
 Kuehl FA Jr: 1498, 1674
 Kuhar MJ: 1033
 Kuhlencordt F: 2295
 Kuhn DC: 4544-4545
 Kuhn RW: 2296
 Kühne U: 1899
 Kuhnert PM: 2297
 Kulper JP: 2655
 Kuisk H: 3785
 Kujawa M: 214
 Kukhazh E: 1076
 Kukovetz WR: 2298
 Kuku SF: 2185, 4611
 Kula J: 4586
 Kulakov GP: 4308
 Kulikova LF: 2299
 Kulin HE: 2300
 Kulkarni PS: 2949
 Kulshrestha S: 210
 Kulvanich J: 3303
 Kumagai S: 2301
 Kumahara M: 160
 Kumahara Y: 2302
 Kumaoka S: 13
 Kumaoka S: 2303
 Kumar DS: 4170

Kumbar M: 2304
 Kundu S: 3313
 Kunert-Radek J: 3177
 Kung PC: 2305
 Kuniak B: 2857
 Kunida H: 4090
 Kunjaranussorn P: 1023
 Kuntz D: 2306, 2418
 Kunz W: 3421
 Kunze P: 2413
 Künzl H: 2307
 Künzig HJ: 3110
 Kuo JF: 2308-2309
 Kuo YJ: 459
 Kupferberg J: 2454
 Kupferman A: 2310
 Kupfermann I: 2311
 Kupin VI: 4241
 Küppers H: 3694
 Kuramoto M: 2060
 Kurata S: 1943
 Kurbatova LI: 2312
 Kurland G: 2313
 Kurochkin IuF: 2095
 Kuroki T: 2314
 Kurono C: 4426
 Kurosawa A: 1616
 Kürschner: 1490
 Kurtz RG: 2315
 Kurtzman NA: 3490
 Kuryshcheva KA: 2316
 Kusano K: 2317-2318
 Kuska J: 2242
 Kustov IA: 4383
 Kusumi T: 2104
 Kuthy E: 845
 Kútová M: 1063
 Kuttenn F: 2319, 2748
 Kuuz AL: 1234
 Kuzmak NI: 2320
 Kuz'mina FV: 4383
 Kuznetsov VI: 3326
 Kuznetsova GP: 117
 Kuznetsova IP: 2699
 Kvetňanský R: 2321
 Kvetnoy IM: 3352
 Kwak R: 3047
 Kwi NK: 3305
 Kwiatkowski S: 515
 Kyank H: 1526, 1835
 Kyle RA: 3208

L

La Via AL: 2607
 Laale H: 2322
 Laatikainen T: 2323
 Labadie P: 2324-2325
 Labayle D: 1189
 Labella F: 2326
 Laberge C: 1104
 Labhsetwar AP: 2039
 Labib FM: 3849
 Laborit G: 2327-2328, 2328
 Labrie F: 443, 2329
 Lachman RS: 1848, 2330, 3457
 Lacko L: 1419
 Lacombe ML: 4355
 Lacombe M: 2331
 Lacy J: 382
 Laerke A: 4419
 Lafon H: 1656
 Lafont J: 2332
 Lafont JL: 457
 LaFranchi SH: 2512
 Lagarde M: 2333
 Lages B: 1852
 Laggner P: 2334
 Lagnado JR: 4134
 Lagorce C: 73-74
 Lagowska J: 2335
 Lagrou A: 993, 1806
 Lahav M: 592
 Lahdensuo A: 2336
 Lahlou B: 3295
 Lahrtz H: 372
 Lainée J: 1618
 Lake BG: 2337-2338
 Lake W: 3373

Lakshmanan MR: 2339
 Lal H: 2340
 Lal S: 1192, 2341
 Lalanne M: 2342
 Lallemand G: 871
 Laloš J: 1236
 LaMarca MJ: 3432
 Lamarque JL: 2343
 Lamartiniere CA: 2344
 Lambert BE: 3598
 Lambert JG: 2345
 Lamberts SW: 2346
 Lambotte C: 2347
 Lambotte R: 2348
 Lambrecht RM: 148, 3105
 Lamensdorf H: 2349
 Lammel E: 2350
 Lamming GE: 1703
 Lamond DR: 2351, 4562
 Lanari A: 2945
 Lancaster C: 3469
 Lance EM: 2352
 Lance JW: 4496
 Landes E: 2353
 Landesman R: 2354, 3639
 Landon J: 247
 Landriselina C: 1512
 Lane JD: 3936
 Lane ME: 2355
 Lang E: 269
 Lang H: 764
 Lang RE: 2356
 Langbein G: 2357
 Lange GU: 1249
 Lange HP: 2358
 Lange J: 4202
 Lange PH: 1661
 Langer GA: 2359
 Langer LO: 1666
 Langevin R: 1340
 Langley PE: 569
 Langman RE: 2400
 Laniado S: 2360
 Lanier JC: 2361
 Lantos CP: 873
 Lantos J: 845
 Lantto O: 384
 Lapidot Y: 2151
 Lappöhn-a RE: 3306
 Laragh JH: 3731, 4436
 Lardner TJ: 2362
 Lareng L: 74
 Larnier J: 2363
 Laroche C: 2364
 Laron Z: 2365
 Larroche JC: 1190
 Larsen JF: 2366-2367
 Larsen LH: 2809
 Larsen LO: 582
 Larsen MJ: 2368
 Larsson K: 2369
 Larsson KS: 2370
 Larsson LI: 1408
 Larvor P: 3388
 Lasbennes A: 285
 Lascelles AK: 4466
 Lashmanova AP: 2371
 Lassmann R: 3668
 László F: 859
 Laszlo I: 2372
 László J: 2373
 Lata GM: 1114
 Latapie JL: 1084
 Latner AL: 2374
 Latorzeff S: 2375
 Latour JG: 2376
 Latour Y: 2781
 Lattouf H: 2840
 Lau IF: 3591
 Laub JM: 2377
 Lauber K: 2378
 Laudani U: 4191
 Laudenslager ML: 623
 Lauderdale JW: 2810
 Lauersen NH: 2029, 4451
 Lauffenburger T: 1643
 Laursen HB: 2379
 Lavallol MA: 1212
 Lavin N: 2512
 Lavine LS: 2467

AUTHOR INDEX

Law PY: 2322
Lawman MJP: 1451
Lawrence AM: 3123
Laws R: 1340
Lawson AM: 2380
Lawson EM: 1168
Lawson RAS: 853
Lawton WJ: 2689
Lax ER: 2381-2382
Layne DS: 3141
Lazarev AN: 2383
Lazaris IA: 2384
Lazarus L: 395, 635, 3944
Lazdunski C: 3251
Lázló B: 2385
Lazzaroni Fossati F: 3771
Le Brigand H: 72
Leach JF: 572
Leach SJ: 1918, 2386
Leach, CS: 2387
Leader DP: 2388
Leal RS: 2389
Leão: 4288
Leary WP: 2390
Leatham JH: 2391
Leatherdale B: 2702
Leatherland JF: 2392-2393
Leathwood PD: 577
Leavell UW: 2394
Lebda NJ: 715
Lebel M: 2395
Leboeuf G: 1836
Leboulenger F: 4354
Lecclia F: 1084
Leclerc J: 4082
Lecomte J: 872
Ledda F: 1217
Ledeen R: 3313
Leder O: 1983
Lederis K: 2849
Ledingham JG: 2079
Ledoux F: 2395
Ledovskaia SM: 2396
Ledwitz-Rigby F: 680
Lee C: 2397
Lee CC: 2398
Lee CR: 178
Lee FJ: 3258
Lee HM: 3239, 4438
Lee JB: 2399, 2847
Lee KC: 2400
Lee KR: 3472
Lee L: 2096
Lee LM: 2401
Lee M: 2402
Lee NH: 3798
Lee P: 2145
Lee PA: 2403
Lee R: 3218
Lee S: 2047, 2060
Lee SC: 2085
Lee YH: 3852
Lee YS: 2404
Leenen FH: 1443, 2405-2406
Lees JF: 2407
Leese CL: 3302
Leetz HK: 3683
Leeuw-Boon H de: 2256
Leevy CM: 2408
Lefebvre PJ: 1413
Lefer AM: 3971
Leferink JG: 2256
Leffall LS Jr: 3524
Lefkon BW: 634
Lefkowitz RJ: 45, 2409, 2484
Lefranc G: 2410, 3304
Legait E: 2411
Legait H: 2411
Leger C: 2376
Legros J: 3526
Lehmann F: 2412
Lehmann GW: 2413
Lehmann H: 1717
Lehmann P: 3902
Lehrer RI: 2414
Lehrke RG: 2415
Leibowitz HM: 2310
Leidenberger FA: 3110
Leldner R: 2419
Leigh LC: 3999

Leigh PN: 1558
Leiker DL: 2416
Lekias J: 2402
Leklem JE: 2417
Lemalre I: 2329
Lemalre S: 2329
Lemalre V: 2306, 2418
LeMalre WJ: 2419
Lemay A: 2329, 2420
Lemberger L: 748, 2421
Leme JG: 2422
Lemesheva NS: 2699
Lemoine G: 72
Lemon MJC: 2423
Lemons JE: 2424
Lencioni LJ: 638
Lencique PM: 3147
Lenton EA: 178
Lenys D: 551
Lenz PH: 2425
Lenz WD: 2426
Leon M: 2427
Leonard BE: 2428
Leonard F: 3551
Leonhardt H: 774, 3120
Leonov BV: 3211
Leotta A: 835
Lepiarczyk B: 2429
Lepilova LA: 2430
Leppälö J: 4273
Leppälö J: 3765
Leralliez J: 4231
Lerner AB: 3001, 3174
Leroux AG: 2431
Leroy JG: 2432-2433
Lesavoy MA: 2434
Lesker P: 3873
Lesko L: 2435
Letarte J: 1104
Letchworth AT: 3404
Letellier P: 2364
Letko G: 2436
Letonturier P: 2437
Letourneux Y: 2438
Letter A: 2849
Letts RM: 2439
Leung BS: 2440
Leung FY: 2441
Leung Y: 1611
Levasseur P: 72
Lever AF: 3031, 3163
Levere RD: 3247
Leverkusen DM: 2442
Levey GS: 606, 2443-2445
LeVier RR: 2446
Levij IS: 1274, 1425
Levin FJ: 2447
Levin H: 49
Levin L: 819
Levin RJ: 2448
Levin VI: 2449
Levine JH: 2450
Levine L: 2085
Levine N: 2451
Levine S: 1183
Levinson BB: 4013-4014
Levinson HJ: 4438
Levitsky DA: 2452
Levitt RA: 3948
Levitzki A: 4007
Levrat M: 2453
Levy A: 1876
Lévy JM: 2454
Levy L: 2455-2456, 2456
Levy LF: 2457
Levy RP: 1907
Lévy-Toledano S: 301
Lew GM: 2458
Lewis AJ: 806, 2459
Lewis AS: 4506
Lewis BK: 2460
Lewis JW: 484
Lewis L: 1641-1642
Lewis MK: 3642
Lewis PD: 2032
Lewis PJ: 895, 2461
Lewis RA: 2462
Lewis UJ: 3897
Ley H: 759
Leyendecker G: 2463

Leyland A: 190
Leyssac PP: 400
Lhéritier M: 1473
L'Hermite A: 2410, 3304
L'Hermite M: 3650
Lhuissier M: 4082
Li CH: 344-345, 746, 2464, 3584
Li E: 1895
Li JB: 3369
Li TK: 1132
Liakakos D: 101
Liao S: 2465
Liaudan'ski T: 2466
Liboff AR: 2467
Lich R Jr: 1146
Lichardus B: 3106, 3704
Licht P: 2468
Lichtenberger LM: 2017
Lichtenstein J: 3463
Lichtenstein JR: 2469, 3288
Lichtenstein LM: 2470
Lichtshteln E: 1425
Lichý J: 4662
Liddle GW: 2555, 3759
Lie SO: 2471-2472, 2472-2473
Lieberburg I: 2474
Lieberman A: 2475
Lieberman EJ: 3399
Lieberman I: 181, 3844
Lieberman ME: 2476
Lieberman S: 1767
Liebschutz JL: 4487
Lietz H: 2477
Liew CC: 981, 1530
Lifschytz E: 2478
Liggins GC: 2479
Lijnen PJ: 2480
likhtenshteln AO: 255
Lilley JJ: 2481
Lim JK: 2520
Lim SD: 2482
Lim VS: 2483
Limbird LE: 2484
Lin C: 2704, 3896
Lin J: 2167
Lin L: 2392
Lin MC: 2485-2486, 3416, 3483, 3600
Lin MT: 2487
Lin R: 2488
Lin RL: 2489
Lin TM: 2626
Lincoln FH: 558, 2635
Lind T: 1199
Lindall AW: 2490
Lindberg G: 2843
Lindberg GD: 3898
Lindberg S: 1173
Linde C: 1149, 2369
Linde J: 2491
Lindemann G: 2492
Linden RJ: 2086
Lindén V: 2493
Lindenauer SM: 2494
Lindenfelser R: 2495
Lindenmayer GE: 3722
Linder J: 3380
Linder MM: 2496
Lindholm TS: 2497-2505
Lindley BD: 329
Lindner HR: 2476
Lindsay JR: 4624
Lindsay KG: 4015
Lindsey ES: 2504
Lindstedt G: 2092
Lindstrom JA: 2230, 2505-2506
Ling N: 2507
Ling W: 4024
Linhartová M: 2508
Linkswiler HM: 2417
Linn CL: 2954
Linzell JL: 1740
Liotta A: 2509
Lipari WA: 2510
Lipilkina IN: 2222
Lipman AG: 2511
Lipner H: 1127
Lippe BM: 2512
Lippe C: 855, 1387
Lippert R: 3613
Lippman HR: 403

AUTHOR INDEX

- Lippman W: 3331
 Lippmann W: 2513-2514
 Lipsky BA: 3769
 Lipszyc D: 1775
 Lipton JL: 530
 Lipton MA: 488
 Lisá L: 2515
 Lisander B: 2516
 Lisovskala GM: 4370
 Lisovskala IL: 4395
 Lissitzky S: 2517, 3513, 4091
 Litman GW: 2518
 Litman RT: 2518
 Litschgi M: 304
 Litteria M: 2519
 Little PB: 555
 Litwiller RD: 2743
 Liu CP: 2520
 Liu SK: 3162
 Liul'ko AV: 2521
 Liuzzi A: 718, 2897
 Livadas D: 2246
 Livingston JN: 2529
 Livingstone RH: 2522
 Livshits MA: 2523
 Ljungdahl A: 1838
 Ljunghall S: 1753
 Llorach M: 2725
 Lloveras J: 2725
 Lloyd AG: 2337-2338
 Lloyd HM: 2524
 Lloyd MH: 262
 Lloyd SJ: 2525
 Lo CT: 1991
 Lo MML: 2438
 Lobban PE: 2526
 Locke ER: 1486
 Lockhart AN: 1055-1056
 Lockshin MD: 2527, 3769
 Lockwood CM: 2528
 Lockwood DH: 2529
 Lodge JR: 4470
 Loeb HG: 1253
 Loeb MJ: 2530
 Loffer FD: 2531
 Löffler G: 2532
 Lofts B: 675
 Logan JE: 2533
 Loggie JM: 2534
 Loh HH: 481, 1820, 4261
 Lohiya NK: 1039
 Löhr GW: 126
 Löhr J: 2535-2536, 2536
 Loisel W: 4082
 Lok E: 1992
 Lomax P: 1564
 Lombardi G: 2815
 Lommer D: 3900
 Lomova MA: 3211
 Lomovitskaya TS: 2259
 London DR: 3550, 3809
 Londos C: 3483, 3600
 Long C: 2886
 Long JP: 1588
 Longland RC: 2338
 Longo FJ: 2537
 Longstreth GF: 2538
 Lonigro AJ: 2539
 Loo H: 4635
 Loos U: 1860
 Lopez A: 1744, 2540
 Lopez C: 2541
 López E: 3134
 Lopez T: 2728
 López Arránz I: 2542
 Loran M: 2543
 Lord RS: 2544
 Lordkipanidze EF: 2545
 Lorens SA: 1841, 2546
 Lorenze EJ Jr: 40
 Lorenzi M: 4283
 Lorenzi P: 2547
 Lorenzo AV: 3972
 Loriaux DL: 921
 Lorie Iu: 2284
 Lorimer JD: 2135
 Lorrain J: 2548
 Losekoot TG: 2549
 Losey EG: 4407
 Losos GJ: 1937
 Lostroh AJ: 2550
 Lottl A: 2551
 Lotz w: 2307
 Louis SL: 2552
 Louis WJ: 2553
 Love I: 4324
 Love WC: 3886
 Loveday BJ: 3314
 Lovenberg W: 4434
 Lovern WJ: 2554
 Lovric A: 4432
 Lowden JA: 3003
 Lowder SC: 2555
 Lowe MC: 1542
 Lowenthal RM: 2528
 Lowitz H: 2966
 Lowrie DB: 2556
 Lowry PJ: 2557
 Lox CD: 1455
 Loy J: 2558
 Löyning E: 1148
 Lozada JA: 2559
 Lozman J: 2560
 Lozowski SZ: 2561
 Lozowy K: 4568
 Lrr VW: 2562
 Lübbert H: 3278-3279
 Lubin A: 3545
 Lucas AO: 1968
 Lucas RN: 3967
 Lucertini L: 3592
 Lúcia Coutinho Domingues A: 140
 Luck DN: 2563
 Luckey TD: 2564
 Lucsko M: 1613
 Lüderitz O: 1730
 Ludvigsen KE: 2565
 Ludwig H: 3661
 Luetscher JA: 924-925
 Lugscheider R: 4238
 Lukačín S: 1875
 Lukačínová G: 1875
 Luke RG: 263, 977
 Lukert BP: 2566
 Luketina IA: 2567
 Lumb GA: 2749
 Lund B: 4240
 Lund-Larsen TR: 2568
 Lundberg PA: 2092
 Lundberg PO: 2569
 Lundberg T: 2570
 Lundborg P: 2571
 Lundholm L: 85
 Lunel J: 1921
 Lunseth JB: 1014
 Lupo-di Prisco C: 2572
 Lusins JO: 2573
 Luthman J: 2574-2575, 3213
 Lutton JP: 497
 Lutte WG: 2576
 Luttrell GH: 1550
 Lutwak L: 2577
 Lutz-Ostertag Y: 2578
 Luukkainen T: 2986, 4532
 Luyckx AS: 1413
 Luz A: 2700
 Ly B: 2579
 Lyakhovich VV: 4268
 Lye RH: 2580
 Lyke WA: 2805
 Lyle RE: 2581
 Lynch HT: 2582-2584, 2583-2584
 Lynch JF: 2583-2584, 2584
 Lyneham RC: 2232, 2585, 3811
 Lyon MF: 817
 Lyons RM: 2586
 Lyrilis G: 2587
 Lythgoe B: 1713
 Lytle IM: 1909
 Maagøe H: 2588
 Maass H: 1141
 Mabeck CD: 2073
 Macables J: 457
 McAllister JM: 2991
 McAllister WH: 3457, 3925
 McAllister VL: 1318
 McArthur JW: 2972
 Macarulla JM: 946
 McAuliff JP: 124
 McBeath AA: 2589
 McBride A: 1248
 McBride WJ: 3936
 McCaa CS: 2590
 McCaa RE: 2480, 2590
 MacCafferty E: 3632
 McCaffery AR: 2591
 McCaffrey RP: 2305
 McCall E: 2592
 MacCallum FJ: 518
 McCandless AE: 2593
 McCann SM: 2594, 3039, 4080, 4639
 McCann VJ: 2595
 McCarroll AM: 2596
 MacCarthy: 3927
 McClure P: 717
 McConkey B: 782
 McConnell RF: 2609
 McCort JJ: 2597
 McCracken JD: 2598
 McCracken MD: 2599
 McCrary JA: 2600
 McCredie DA: 2601
 McCulloch MW: 535
 McCully KS: 2602-2603
 McDonagh AF: 3680
 McDonald AM: 295
 MacDonald DC: 1394
 McDonald DF: 733
 MacDonald GJ: 1290-1291
 McDonald JC: 2504
 McDonald KM: 2604
 MacDonald PG: 220, 438, 3152, 4547
 McDonald R: 1913
 McDonald RH Jr: 2405
 McDonald TF: 4243
 McDonald WI: 1318
 McDougal WS: 2605
 McDougall JG: 4558
 Macerlean DP: 2032
 McEwen BS: 2474
 McFarlane B: 2033
 MacGann M: 2606
 McGavin DD: 2144
 McGhee JR: 2790
 McGiff JC: 4160, 4331
 McGinity JW: 2607
 McGinlay E: 740
 MacGregor: 2608
 Macgregor RR: 769
 McGuire JL: 2609
 McGuire LS: 2610-2611
 McGuire WL: 1897, 2108, 3819
 MacHenry JC: 2596
 Macho L: 2612
 Macia J: 946
 McInnes P: 1738
 MacIntyre WJ: 49
 Macioci F: 2613
 McIsaac G: 2614
 Mackay IR: 4183
 McKelvie P: 2615
 McKelvy JF: 1591, 2616
 McKenney JF: 1700, 2617
 MacKenzie AJ: 2618
 MacKenzie IF: 3321
 MacKenzie JM: 2619
 McKeown EF: 2596
 McKerns KW: 2620
 McKerron CG: 2702-2703
 Mackey L: 2621
 McKhann CF: 2622
 MacKinney RV: 2623
 MacKinnon PC: 1056
 McKusick VA: 2230, 3288
 MacLachlan MS: 3019
 MacLaren NK: 2624
 McLarty DG: 1868
 McLaughlin JA: 4105
 MacLennan DH: 2625
 Macleod C: 593
 MacLeod KM: 3976
 MacLusky NJ: 222, 1469
 MacMahon B: 2626
 McManus JJ: 3931
 MacManus JP: 2627
 McManus LM: 2942

M

AUTHOR INDEX

McMaster JH: 2628
 McMillan MD: 2629
 McMillan WB: 4346
 McMurry JF: 1700
 McMurry JF Jr: 2630
 McNabb M: 3124
 MacNatty KP: 2631
 MacNaughton MC: 4024
 McNay JL: 3063
 McNeil S: 178
 McNeill TD: 3383
 MacNeilly AS: 2631
 MacPhee AA: 2632
 McQuarrie DA: 2955
 Macri J: 1211
 McRoberts JW: 977
 MacRoberts P: 239
 Madden J: 4669
 Madelenat P: 3381
 Madhav G: 2633
 Madison R: 3619
 Madon E: 2911
 Madsen PO: 2184
 Madsen SN: 1324
 Maeda M: 2920
 Maeno H: 2634
 Mager M: 1322
 Magerlein BJ: 2635
 Maghuln-Rogister G: 2636
 Magnet W: 965
 Magnin P: 1375
 Magnusson B: 2073
 Magrath IT: 2637
 Magraw S: 4202
 Maguire ME: 2638-2639
 Maguire S: 1681
 Mahajan S: 2640
 Mahesh VB: 738, 3148-3149
 Mahoudea JA: 496
 Mahoudeau JA: 3272
 Mala H: 812
 Mala H Jr: 812, 2641
 Maines MD: 2642
 Malnoya JR: 2643
 Mainwaring WI: 2644
 Malolini E: 2686
 Mafskir AI: 3767-3768, 3768, 4648
 Maltre L: 4430
 Majerus PW: 2586, 4210
 Majewski F: 2426
 Majumder GC: 2645
 Makarova LV: 255
 Makeeva NS: 2646
 Makhmudov V: 4275
 Makino M: 3830
 Makker SP: 2647
 Makman MH: 2648
 Makowski EL: 3429, 3517
 Malakoff AF: 2649
 Malamud DF: 113
 Malan PG: 2705-2706
 Malarkey WB: 2650-2651
 Malchow D: 2652
 Malendowicz LK: 2653
 Maleva E: 2654
 Mali JW: 2655
 Malinin TI: 2656
 Malinowska KW: 409-410
 Malinsky M: 3191
 Malis LI: 3437
 Maliuga VV: 3397
 Maliugina LL: 2243
 Malka J: 2657
 Malkinson AM: 2658
 Mall-Haefell N: 1731
 Mallardi A: 2659
 Mallette LE: 2660
 Malluche HH: 2358
 Malmsten C: 2661
 Malolepszy J: 660
 Maloney NA: 3817
 Maloof F: 2245
 Malven PV: 795
 Mammato DC: 2662
 Man SC: 2663
 Man W: 4585, 4587
 Manabe N: 3041
 Manassero J: 4307
 Mancini AF: 3136
 Mancini RE: 2664, 3546

Mancuso G: 629
 Mandel ID: 2665
 Mandel P: 2666, 4499
 Mandelbaum J: 1527
 Mandell AJ: 2667
 Mandelli V: 501
 Mandics R: 843
 Maneckjee R: 2668
 Manevich VL: 2669
 Mangan FR: 2644
 Mangan M: 2697
 Manganiello VC: 3608
 Mangat BS: 779
 Manger WM: 4509
 Manisco G: 2728
 Manley SW: 21
 Mann G: 2670
 Mann JI: 2671-2672, 2672
 Mannaioni PF: 1217
 Manning PA: 2015
 Männistö P: 4273
 Mannix H Jr: 2673
 Manns JG: 2674
 Manohar V: 2675
 Mansat: 74
 Mansat A: 73
 Manston R: 2676
 Mansurov AN: 2284
 Mantegazza P: 761
 Mantel A: 478
 Mantel W: 2677
 Mantzos J: 2246
 Manzke E: 2678
 Maplettoft RJ: 1010
 el-Maraghi S: 1371-1372
 Marangos AG: 2774
 Marangos H: 2679
 Marberger MJ Jr: 2680
 Marchand G: 2203
 Marchand-Dumont G: 174, 2681
 Marchenko NI: 3843
 Marchi N: 809
 Marchioro TL: 4244
 Marcus FR: 382
 Marcus GJ: 1805
 Mardar' AI: 3823
 Mardar' AM: 3822
 Maren TH: 1111
 Marešová J: 4662
 Margen S: 2682
 Margolis A: 2683
 Marie P: 1121
 Marin L: 2684
 Marin RE: 2685
 Marinetti GV: 2435
 Marini G: 4049
 Marinone G: 2686
 Marlos M: 2687-2688, 2688
 Marjanović D: 3297
 Mark AL: 2689
 Mark G: 2690
 Markarian ZHR: 115
 Markert C: 2691
 Markgraf E: 2692
 Markham RB: 2693
 Marklová E: 4662
 Markov KhM: 206, 2948
 Marks E: 2694-2695
 Marks F: 1590
 Marks V: 1176
 Markus H: 587
 Marley E: 2696
 Marois G: 2687-2688, 2688
 Marois P: 142
 Maronde RF: 4550
 Maroteaux P: 3979
 Marotte H: 1091
 Maroun FB: 2697
 Marova EI: 1234, 2696-2699
 Marquart KH: 2700
 Marquis P: 3541
 Marriott C: 2701
 Marsden CD: 3203
 Marsden P: 2702-2703
 Marsh CA: 2704
 Marsh FP: 12
 Marsh JD: 4353
 Marsh JM: 2419
 Marshall GR: 1064
 Marshall IG: 1390

Marshall JC: 2032
 Marshall NJ: 2705-2706
 Marshall RB: 3471
 Marshall RC: 512
 Marshall V: 2707
 Marshall GROUSI, Missouri 63110.: 2950
 Marsico S: 2708
 Maršiková L: 2960
 Marsili M: 2547
 Marsolais G: 142
 Martens H: 1705
 Martensz ND: 2709
 Marthens E: 2710
 Marti-Henneberg C: 2711
 Martin BR: 3483
 Martin BT: 4481
 Martin C: 2713
 Martin GR: 2712, 3288, 3307
 Martin H: 2713
 Martin HF: 1784
 Martin IL: 2174
 Martin JB: 1192
 Martin JL: 2714
 Martin ND: 3967
 Martin NL: 3666
 Martin R: 430
 Martin RJ: 927
 Martin-Rodriguez JG: 2715
 Martinčuk J: 2716, 3911
 Martínez JM: 2717
 Martini GA: 2718
 Martini-Mauri M: 2911
 Martres M: 2719
 Martucci C: 1289
 Martynenko FP: 2720
 Maruo B: 3776-3777
 Maruyama HB: 2721
 Maruyama T: 1724
 Marx SJ: 2660
 Maschio G: 1262
 Mašek J: 2722
 Mashaly MM: 2723
 Mashiter K: 712, 1083
 Mašik J: 3906
 Masiuk AI: 307
 Masius WG: 1061
 Maslova LN: 2724, 2943
 Maslova LV: 3112
 Mason AN: 224
 Mason L: 3218
 Masopust J: 1352
 Masramon J: 2725
 Massal'skaia LM: 3211
 Massaro TF: 2452
 Masserano R: 2019
 Massi I: 2177
 Massobrio M: 2726
 Masson GM: 4094
 Massry SG: 4476
 Mast GJ: 1012
 Mastalerski J: 3699
 Masterson E: 2727
 Mastrangelo F: 2728
 Mastrofrancesco B: 659
 Mastrolanni, Jr. L: 2729
 Masturzo P: 3499
 Masul Y: 4460
 Masuyama Y: 2920
 Matafonova LF: 2646
 Mateeva G: 2730
 Mateos JM: 2731
 Mather WE: 2752
 Mathews CK: 2732
 Mathews M: 1379
 Matis P: 2857
 Matkovics B: 2733
 Mato JM: 2734
 Mat'oska J: 1819
 Matoušek J: 2735
 Matrosov VD: 2736
 Matsuda S: 3833-3834
 Matsul K: 2737
 Matsukawa S: 1900
 Matsukura S: 2738
 Matsumoto A: 2739
 Matsumoto K: 1951
 Matsumoto M: 2077
 Matsumura H: 2239
 Matsushima T: 2824, 4127
 Mattern J: 2740

AUTHOR INDEX

- Mattheeuws D: 2741
 Matthews EK: 926
 Matthey K: 3082
 Matthiesen U: 1365
 Mattock JM: 1056
 Mattocks PW Jr: 1302
 Mattoová M: 2742, 3878
 Mattox VR: 2743
 Matts SG: 2633
 Matuki S: 3618
 Matulić S: 33
 Maturó JM III: 2744
 Matveev PV: 256
 Matveeva AA: 553
 Mauer SM: 4008
 Maura G: 2745, 4303
 Mauro PL: 2686
 Mauro R: 2746
 Mauss J: 2978
 Mauvais-Jarvis P: 2319, 2747-2748
 Mavrina EA: 3853
 Mawe RC: 1058
 Mawer EB: 2749
 Mawhinney MG: 4181
 Maxwell MH: 4476, 4478
 Maxwell RA: 2934
 Mayer D: 2750
 Mayer J: 4171
 Mayer SE: 1597
 Mayhew E: 3138
 Maynard PV: 2751
 Mayne V: 889
 Mazák J: 1903
 Mazanek E: 4625
 Mazess RB: 2752
 Mazhui VM: 2225
 Mazumder UK: 1446
 Mazurenko NP: 4646
 Mazzaferrì EL: 211
 Mazzanti R: 2547
 Mazzuoli G: 2753
 Mdel DG: 2754
 Meakins GD: 282, 670, 2023
 Meaney TF: 49
 Means AR: 2755
 Meares JD: 2524
 Meban C: 2756
 Medawar P: 2352
 Medeiros Neto GA: 2757-2758
 Medellin H: 1502
 Medina A: 3163
 Medvedev VN: 2218
 Medvedev InA: 2161
 Meek J: 4223
 Meeker R: 3132
 Meeks L: 1186
 Mees EJ: 1443
 Megala E: 1371
 Meguid MS: 4154
 Mehdi SQ: 21, 3885
 Méhesfalvi E: 2385
 Mehler WR: 2759
 Mehlman B: 1722
 Mehta S: 2760
 Meier AH: 2761
 Meigs RA: 3056-3057
 Meijls-Roelofs HM: 4291
 Melkle AW: 2762
 Mefsel' MN: 3750
 Meistrich ML: 2763
 Melzel S: 2894
 Mejia-Zelaya A: 4669
 Meli F: 3458
 Melich O: 14
 Meligy RE: 4154
 Mellenberger RW: 2764
 Mellina KV: 2765
 Mello NK: 2767
 Melmon KL: 458
 Mel'nik TF: 3822
 Melville KA: 2174
 Melvin LS Jr: 801
 Memezawa H: 4
 Menachof I: 4164
 Ménagé JJ: 2951
 Menchón Galiana M: 3772
 Mendel VE: 286
 Mendeleev IM: 2430
 Mendels J: 2766
 Mendelsohn S: 4610
 Mendelson G: 4642
 Mendelson JH: 2767
 Meneghetti F: 333
 Menendez-Botet C: 1289
 Menge AC: 2768
 Mengel W: 2769
 Menkes CJ: 1946
 Mennig: 2770
 Mennig H: 2771
 Menolascino FJ: 2791
 Menon KM: 157
 MENON MK: 4261
 Menon KMJ: 2120
 Mento S: 6
 Mentz P: 2772
 Menzel DB: 684
 Meralli Z: 4085
 Merchant H: 2773
 Meredith MJ: 2774
 Meredith PD: 1283
 Meredith W: 1496
 Mergins A: 2775
 Merhoff H: 1145
 Merighi C: 998
 Merkle U: 2776
 Merklen P: 1736
 Merlevede W: 1528
 Merriam JR: 4029
 Merrill DA: 2942
 Merrill JC: 3105
 Merrin CE: 2149
 Mertens DR: 570
 Mertvetsov NP: 707
 Méry JP: 2777
 Méry G. Ph: 3442
 Merz DC: 2518
 Merz WE: 1623, 1807, 2778
 Merzliak MN: 3952
 Meschia G: 3429, 3517
 Mesdjan E: 2779
 Meshchishen IF: 2250
 Mesnianskina NV: 4145
 Mesnyankina NV: 4144
 Mess B: 2780
 Messerli FH: 2781
 Messier AA: 3648
 Metcalf G: 2782
 Metcalfe JC: 4457
 Métreau JM: 2783
 Metz B: 2353
 Meunier P: 811
 Meyer JS: 4157
 Meyer P: 245, 3029
 Meyer RB Jr: 727
 Meyer WJ: 2129
 Meyer WJ 3d: 2784
 Meyers MB: 2785
 Meyerstein N: 2786
 Meyn RE: 2787
 Meynell E: 1721
 Meyts PD: 2484
 Meznik F: 2788
 Mgavero S: 3458
 Micelli S: 1387
 Michael CA: 386
 Michael RP: 2789
 Michaeli D: 3520
 Michalek SM: 2790
 Michejda M: 2791
 Michel-Bechet M: 2792
 Michelakis AM: 1847, 2109
 Micheli RA: 2793
 Michellis MF: 2794
 Michell RH: 52
 Michie EA: 184, 4339
 Michie W: 4613
 Mici S: 3509
 Micic S: 2036, 2367
 Mickan H: 1358
 Mickelson KE: 2795
 Micucci M: 3037
 Middleton DL: 1550
 Midgley AR Jr: 3357
 Midtvedt T: 161
 Miechl HR: 2796
 Migas EA: 4638
 Migeon BR: 2784
 Migeon CJ: 172, 2129, 2403, 2624, 2784, 4350
 Mignon-Conte M: 4068
 Mignon-Conte MA: 787
 Mihály K: 4002
 Mikhail G: 1938, 2974
 Miki M: 2239
 Miki N: 382
 Mikity VG: 4550
 Miklos GL: 2797, 3180
 Mikrov K: 2798
 Mikulandra F: 2799
 Mikulić V: 106
 Milagin SP: 2800
 Milano L: 1393
 Milanov S: 467, 4257
 Milcu SM: 2801, 3146
 Mildner P: 2197
 Miledi R: 2317-2318
 Millet RG: 3246
 Milewicz A: 4021
 Milewski KA: 4267
 Milhaud G: 653
 Millar D: 3595
 Millar JG: 4533
 Millar RA: 2802
 Millar RP: 3908
 Miller A: 1313
 Miller ED Jr: 177
 Miller ER Jr: 392
 Miller HI: 2803-2804
 Miller HJ: 4368
 Miller JK: 2805
 Miller JL: 2806
 Miller JP: 727
 Miller LD: 1280
 Miller M: 4332
 Miller MC: 1514, 2096, 2241
 Miller P: 732
 Miller R: 2807
 Miller RJ: 2808
 Miller RW: 2905
 Miller SA: 1980
 Miller SJ: 1118
 Miller TB: 1306, 4248
 Miller W: 1977, 2809
 Miller WE: 392
 Miller WF: 1827
 Miller WL: 2810, 2993
 Miller WT: 4250
 Millerman LA: 1297
 Millet D: 2965
 Millington D: 3240
 Mills BG: 1855
 Mills DM: 3943
 Mills TM: 2811
 Milone M: 2812
 Milton AS: 899
 Milton PJ: 534
 Milton-Thompson GJ: 3301
 Minasian E: 2386
 Mincato C: 2846
 Minchin MC: 2813
 Mndrouli T: 2814
 Miners JO: 282, 670
 Minna JD: 2639
 Minozzi M: 2815
 Minski MJ: 2337
 Minullo A: 603
 Miodoński R: 2816
 Mion H: 885
 Mioni G: 1262
 Miosga V: 3679
 Miquells R: 882
 Miravet L: 1607-1608
 Mirčeva F: 3903
 Mirecka J: 2817
 Mirouze J: 1976
 Mishell DR Jr: 492, 2818
 Mishra RK: 2640
 Mishra rk: 2648
 Misiewicz JJ: 1022, 2819, 2970, 3301
 Misra CH: 348
 Misztela G: 2289
 Mitchell AR: 1534
 Mitchell CA: 1614
 Mitchell HC: 3222
 Mitchell MD: 2820
 Mitina ZD: 3636
 Mitra M: 3755
 Mittrache L: 3072
 Mitrega J: 2821
 Mitskevich MS: 3558
 Mitsui Y: 2822

AUTHOR INDEX

Mitsukawa S: 3833-3834
Mitsumoto H: 780
Mitsuya H: 2826
Mittelman A: 2823
Mitznegg P: 4062
Miura DS: 3515
Miura Y: 3623-3624, 3624
Miwa M: 2824
Miwa T: 4220
Miyabo S: 2235
Miyagawa H: 1883
Miyai K: 160, 2302, 2825
Miyakawa S: 13
Miyake H: 4070
Miyake K: 2826
Miyamoto C: 2827
Miyamoto E: 2062
Miyamoto T: 2475
Miyazaki T: 2828
Mizuno T: 2932
Mizutani S: 3098
Mizzotti B: 901
Mkrtychian RI: 2829
Mladenović V: 2830
Mock EJ: 2831
Modlinger RS: 2832
Mody HJ: 983
Moe PW: 2833
Moenkemeier D: 1249
Moens W: 2834-2835
Moerman E: 1504
Moers AM: 2836
Moffitt PE: 2837
Mogenson GJ: 1208
Moglia A: 1230
Mogullevsky JA: 2838
Mohamed AH: 2839
Mohapl M: 4130
Mohapl P: 1750
Mohme-Lundholm E: 85
Möhrling J: 1012
Mohsen T: 2840
Mokhnach VO: 3750
Moldofsky H: 1401
Molinengo L: 642
Mollinoff PB: 2841
Möller G: 2842
Möller TR: 479, 2843
Molloy BB: 1362, 1364
Molloy RP: 1261
Molochkina AE: 1103
Momin MA: 3368
Momotiuk SV: 2869
Moncada S: 1786
Monder C: 4541
Money J: 2844-2845
Monr HE: 3745
Montanari GD: 2846
Monteleone JA: 2847, 3186
Montfort MF: 4091
Montgomery DA: 2596
Montoya E: 2848
Moodie CA: 1555
Moor RM: 525, 1734
Moore CF: 3875
Moore CM: 691
Moore FR: 3053
Moore G: 2849
Moore J: 534
Moore KE: 2850
Moore KL: 3209
Moore MJ: 2851
Moore MM: 3205
Moore NC: 2852
Moore NW: 2853
Moore RH: 2149
Moore SH: 2854
Moore WT: 3799
Moorhead J: 2855
Moorhead JF: 1458
Mor J: 2856
Moravec R: 2857, 3073
Moreau J: 2858
Moreau JF: 1606
Moreau L: 2859
Morel-Maroger L: 3442
Moretti C: 866
Morfin R: 306
Morgan AJ: 2860
Morgan C: 3648

Morgan HE: 3369
Morgan JP: 1896
Morgan RW: 2626
Morgan TE: 2971
Morgane PJ: 2861
Morgenroth VH 3d: 1708
Mori H: 2862
Mori I: 2863
Mori K: 2864
Mori T: 1357
Moriarty CM: 2865
Moriarty GC: 2865-2866
Moriarty M: 2866
Moriarty MJ: 2867
Morimoto Y: 2868, 4462
Morin JE: 2869
Morin P: 2870
Morishige WK: 2871
Morita H: 2872
Morita Y: 2873
Morkin E: 2097
Mørland J: 310
Morley J: 485
Morley JE: 1034-1035, 3579
Moroni F: 1217
Morotomi Y: 2874
Moroz BB: 346, 2159
Morozov MA: 2161
Morphy JC: 3090
Morris DF: 2875
Morris DJ: 2876
Morris ID: 1469, 2877
Morris JG: 2878
Morris NM: 4289
Morris TA 3d: 4250
Morrison JN: 2879
Morriss FH Jr: 3517
Morrisssey SM: 4020
Morrot MJ: 3541
Morrow CP: 2933
Morrow G 3d: 2880
Mortimer CH: 1199
Morton JJ: 3031, 3163
Morvay J: 1213
Mory G: 3447
Mosby EL: 2881
Moscona AA: 2882
Moseley G: 2883
Moser GC: 2884
Moses AM: 4332
Mosesson MW: 3247
Mosine VO: 2384
Moss BR: 2805
Moss DJ: 3289
Moss DW: 2885, 4518
Moss R: 3805
Moss RL: 561, 2594
Moss WW: 2907
Moszczyński L: 515
Moszczyński L: 4585-4589, 4587
Mothon S: 3139
Motta G: 4376
Mouat B: 2886
Moudgal NR: 2668
Moudgil VK: 2887
Moule NJ: 16
Moulik BK: 2888
Moulinet M: 2889
Mounié J: 2190
Mourant AE: 2890
Mousseron-Canet M: 444
Movat HZ: 3588
Movers F: 2891
Moya MA: 588
Mozal T: 2892
Moznerová M: 2742
Mruk K: 3862
Muel B: 3549
Mueller GC: 3808
Mueller RA: 3094
Mugelli A: 1217
Mugerwa J: 2637
Muglioni JF: 3243
Mul MM: 1904
Muirhead EE: 3256
Mujovic VM: 2893
Mukerji SK: 2894
Mukhina IuK: 2895
Mukhtar ED: 1670, 4186
Mukitsa EV: 3117

Mulcahy GM: 2582
Mulder AH: 4193
Mulder E: 4318
Mulder H: 2836
Muldoon TG: 738
Mullan DP: 971
Mullan S: 942
Müller A: 2896
Müller EE: 718, 761, 2897
Müller H: 2884
Müller HA: 2898
Müller JR: 2899
Müller KM: 3227
Müller P: 1678
Muller TW: 2900
Muller WA: 3804
Müller WE: 2023, 2536, 2901
Mülling M: 878, 2902
Mullner JW: 2903
Munich JA: 2904
Mulrow PJ: 3108
Multari G: 1018
Mulvihill J: 2905
Munck O: 729
Munday KA: 1159, 1710
Munoz JJ: 316
Muñoz-Ramírez H: 2906
Munro DD: 1458
Munro DS: 21, 1030, 4186
Munro HN: 4487
Munshi SR: 4166
Munster AM: 1341
Munteanu S: 2178
Murad F: 2173, 2907
Murakami M: 4605
Murashov BF: 2908
Murata K: 1934
Murata T: 2818
Murav'ev RA: 3495
Murcott C: 2877
Murdaugh HV: 2794
Murphy DL: 803
Murphy EW: 368
Murphy G: 2909
Murphy GP: 2149, 2823, 3605, 4349
Murphy P: 3717
Murray IP: 2005-2006
Murray M: 1712
Murthy SV: 2675
Murthy VK: 3506
Musa MB: 2910
Mushlin SB: 2527
Muskett JM: 1969
Mussa GC: 2911
Mustard JF: 1567, 2912, 3410
Mutaflan RI: 3581
Muzaferija A: 3012
Mwaluko GM: 1320
Myers RD: 2431
Myllylä VV: 2913
Myslińska M: 2821

N

Nabakrishna C: 2438
Nabarro JD: 1327
Nabet P: 285, 1431
Nachbur B: 4667
Nachtigal D: 4627-4628
Nacłazek-Wienlowska A: 2287
Nade S: 2914
Nadell J: 48
Nader S: 712, 2185
Nadler RD: 2915
Nádvozník P: 2916, 3981
Naess K: 2917
Naftolin F: 911
Nagabhushanam R: 1038
Nagadowska J: 4429
Nagasawa K: 888, 2918
Nagasue N: 2919
Nagata Y: 2818, 3776-3777
Nagataki S: 2920
Nagel A: 887
Nagel D: 360
Nägele E: 3342
Nagle CA: 620-621
Nagle RB: 2921
Nagy L: 2922

AUTHOR INDEX

Nagy SU: 843
 Nagylaki T: 2923
 Nagyvary J: 807
 Nahler G: 359
 Nahmod VE: 1005
 Nahorski SR: 2924
 Naik DV: 2925-2926
 Naipaul N: 3888
 Nair BKH: 2927
 Nair CHK: 2927
 Naito J: 1735
 Najarian JS: 2541, 4008, 4115, 4208-4209
 Najera J: 3249
 Nakada T: 4135
 Nakagawa H: 505
 Nakagawa K: 4090
 Nakagawa S: 3589
 Nakahama H: 2928
 Nakai Y: 4121
 Nakajo M: 3830
 Nakamura M: 3833
 Nakamura R: 3618
 Nakamura RM: 2818
 Nakamura T: 3071
 Nakane PK: 2929
 Nakano E: 530
 Nakano K: 2930
 Nakano M: 2239
 Nakano R: 2931-2932
 Nakao T: 2873
 Nakashima S: 2207
 Nakatsugawa K: 2824
 Nakayama H: 1951, 4090
 Nalick RH: 2933
 Namm DH: 2934
 Nancarrow CD: 1856, 2809, 2935
 Nanjundiah V: 2652
 Naor Z: 2936
 Nappi AJ: 2937
 Narasimhachari N: 2488-2489
 Narod ME: 1338
 Nasemann T: 2938
 Nasilowski W: 528, 4653
 Nataf B: 3405
 Nathan C: 3650
 Nathan DM: 2939
 Nathanielsz PW: 1308, 1966
 Nathanson JA: 2940
 Natoli A: 2941
 Naughton MA: 2942
 Naujoks J: 2898
 Naumenko EV: 2943
 Nauta WJ: 2759
 Navalesi R: 2944
 Navaratnam C: 131
 Navon S: 2945
 Nawrocka-Kahska B: 2946
 Nayfeh SN: 1655
 Nayler WG: 2947
 Neal P: 191
 Nebel L: 1241
 Nebol'sina LI: 2948
 Nedel'ko VP: 1114
 Needleman P: 1064, 2949-2950
 Néel JL: 2951
 Neel JV: 3055
 Negroesco I: 784
 Negro-Vilar A: 108
 Neher M: 2952
 Neldlein R: 2953
 Neill DB: 2954
 Neimann W: 4446
 Neltzert A: 1489
 Nekrasova AA: 3959
 Nellis KO: 2549
 Nelp WB: 2678
 Nelson AP: 2955
 Nelson DK: 570
 Nelson DS: 2956
 Nelson J: 564
 Nelson JC: 1286
 Nelson SD: 2957
 Némec H: 4626
 Némec J: 273, 2960
 Nemerovski: 578
 Németh S: 2958
 Némethová V: 2959
 Nepokroeff CM: 2339
 Neradilová M: 2960, 4626
 Nerlo H: 2961

Neshelm BI: 2962-2963
 Ness GC: 2339
 Nesterova MV: 3779
 Nett TM: 2964
 Netter A: 72, 2965
 Neubauer M: 965
 Neubaur J: 2966
 Neuman S: 1001
 Neumann F: 2967
 Nevanlinna HR: 2968
 Newcombe DS: 2969
 Newcomer AD: 2538
 Newcomer WS: 4617
 Newman A: 1022, 2970
 Newman HR: 647
 Newman LB: 2971
 Newton JR: 2015
 Newton WA Jr: 1944
 Ney RL: 4443
 Neymeyer HG: 538
 Nezamis JE: 3469
 Ng M: 1657
 Nhu N: 334
 Nhuan TQ: 24
 Niall HD: 1972, 2157
 Niall MC: 2972
 Nicholds BL Jr: 1016
 Nicholson WA: 1836
 Nicholson WE: 2450
 Nickerson PA: 4671
 Nicol SE: 1498
 NicolaHidis S: 3540
 Nicolau KC: 801
 Nicolau G: 2973
 Nicolau W: 2758
 Nicolay J: 4252
 Nicosia SV: 2974
 Niederer W: 2975
 Niedergerke R: 2350
 Nielsen A: 2073
 Nielsen CT: 728
 Nielsen J: 1343
 Nielsen SP: 2976
 Niemann WH: 4017
 Niemi M: 939, 3356
 Nieminen L: 2977
 Nienstedt W: 1715
 Nies AS: 890
 Nieschlag E: 2192-2193, 2978-2979
 Nieve JG: 2980
 Nieweg HO: 4528
 Nigmatov NN: 4276
 Nilijma A: 2981
 Nilmi H: 2982
 Nirlanen AK: 2711
 Nijweide PJ: 1792, 2983
 Nikiforidis P: 2587
 Nikitina LV: 2371
 Nikitina MN: 2063
 Nikitina ZK: 3767-3768, 3768
 Nikkilä EA: 2984
 Nikolaev VV: 2800
 Nikoulina DM: 4144
 Nikulina DM: 4145
 Nilsson AC: 2569
 Nilsson BE: 2985
 Nilsson CG: 2986
 Nilsson K: 85
 Nilsson S: 2987
 Nilsson T: 2184, 2988
 Nimis R: 2989
 Nimmo HG: 2990
 Nimmon CC: 2991
 Nims RM: 3619
 Nisenbaum: 2225
 Nishi N: 822, 2096, 2992
 Nishimgto T: 4119
 Nishimura A: 1724
 Nishitani K: 2170-2171
 Nishizawa EE: 2993
 Nishizawa K: 1724
 Nisselbaum JS: 1289
 niswender GD: 2964
 Nitā I: 4040
 Nitsche J: 4625
 Nivez MP: 1948
 Niwa H: 4112
 Nizet A: 2994
 Nkposong EO: 1968
 Noble AR: 1710

Noble IM: 2995
 Noble RG: 2996
 Nočička Z: 1903
 Nocke W: 2463
 Nogales F: 2717
 Nogueira AR: 756
 Noinuddin M: 2053
 Nolan JP: 2997
 Nolan S: 892, 3038
 Nomiyama H: 2998
 Nomiyama K: 2998
 Nomura T: 3034
 Nomura Y: 2999
 Norberg HP: 2434
 Norden CW: 4027
 Nordin BE: 3000
 Nordlund JJ: 3001
 Nordlund S: 1133
 Nordmann JJ: 2813, 3002
 Norheim G: 1346
 Norman AP: 4149
 Norman AW: 1121
 Norman MG: 3003
 Norr SC: 3004
 Norrdin RW: 3005
 Norris JS: 3006
 Northrup WF: 4209
 Nota G: 3007
 Notides AC: 3008
 Nott MW: 462
 Noualhat F: 1545
 Noumura T: 1962
 Novak M: 1659, 3009-3010
 Novella P: 2073
 Novik LI: 3500
 Novikova LA: 4144-4145
 Novikova NF: 2063
 Novitski E: 3011
 Novosel D: 3012
 Nowaczynski W: 2395, 2781, 4133
 Nowakowski W: 3237
 Nowicka L: 3013, 3699
 Noworyta B: 3014
 Nozu K: 3015
 Nubile G: 3118
 Nugent CA: 4481
 Nugmanov SN: 683
 Numano F: 3825
 Nündel M: 3679
 Nunnally DS: 694
 Nunotani H: 4593
 Nurse DS: 3016
 Nurzia A: 3017
 Nusynowitz ML: 3018, 3268
 Nuti L: 1065
 Nuttall FQ: 3785
 Nuzum CT: 2099
 Nylander G: 58
 Nyström M: 1369

O

Oake RJ: 3019
 Oates HF: 3020-3023
 Oates JA: 890-891
 Obara K: 3067
 Obel EB: 4356
 Oberliter V: 3024
 Oberklaid F: 3025
 Obrador S: 2715
 O'Brian JT: 3970
 O'Brien C: 4110
 O'Brien RD: 1156
 O'Brien RT: 3182
 Occhionero F: 3026
 Ochs HD: 3616
 O'Connor J: 3027
 O'Day DM: 3028
 Oddie CJ: 4558
 Oddie TH: 1286
 O'Dea K: 3029
 Odom CD: 3030
 O'Donoghue EP: 1297
 O'Donoghue S: 1248
 Oelkers W: 3031
 Oertel M: 1978
 Oettel M: 3032, 4045
 Offerhaus L: 3033
 Ogata H: 3034

AUTHOR INDEX

Ogawa Y: 3035
 Ogborn AD: 3036
 Oglivie DM: 1552
 Ogo K: 2103
 Ogol'tsov ES: 2800
 Ogren SO: 1369
 Oh W: 4260
 Ohad I: 1495
 Ohanian C: 3037
 Ohata M: 1356
 Ohlenroth G: 1249
 Ohlsen PM: 3038
 Ohrádka B: 2857
 Ohta Y: 4128
 Ohtsuka E: 575
 Oishi K: 2827
 Oishi T: 4413
 Ojala A: 3332
 Ojeda SR: 3039
 Oka T: 3040
 Okabe N: 3041
 Okada K: 3042
 Okada LM: 3043
 Okada N: 1940, 3044
 Okage T: 2183
 Okano K: 1356
 Okawa M: 4463
 Okazaki Y: 3044
 O'Keefe E: 3045
 O'Kelly DA: 4111
 O'Kelly JC: 3046
 Okken A: 1166
 Okudaira Y: 3047
 Okumura T: 3747
 Okumura Y: 4463
 OKunewick JP: 2297
 Olah AJ: 1643, 3048
 Olaturunbosun DA: 3049
 Olds ME: 1050
 O'Leary JL: 314
 O'Leary JP: 834
 Olefsky JM: 1468, 3050
 Olesen IM: 3051
 Olgaard K: 3052
 Olin T: 2919
 Olisa E: 1968
 Olive PJ: 3053
 Olivecrona H: 58
 Oliver AP: 408
 Oliver IM: 3918
 Oliver J: 3054
 Oliver NW: 3163
 Oliver WJ: 3055
 Olivera AA: 3056-3057
 Olivier A: 523
 Olivo J: 1522
 Olow I: 1654
 Olsen DO: 3058
 Olsen OM: 2073
 Olson GE: 1353
 Olson L: 3059-3060
 Olson RE: 3061
 Olthoff U: 3062
 Olweny C: 2637
 O'Malley BW: 2296, 2755
 O'Malley K: 3063
 Omenn GS: 2610-2611
 Omichi M: 2872
 Onaya T: 1697, 3064
 Ong DE: 3065
 Ong SH: 3066, 4016
 Ongaro G: 333
 Onishi T: 2302, 2825
 Ono S: 3067
 Ono T: 3068
 Onoyama Y: 3069
 Onuigbo WI: 3070
 Oommen OV: 4170
 Oomura Y: 3071
 Opitz JM: 1826, 4386
 Oppenheimer JH: 4036
 Oppizzi G: 718
 Oprescu M: 3072, 3877
 Oravec D: 2857, 3073
 Orcl L: 3697, 3804
 Ord MG: 4188
 O'Regan C: 751
 O'Regan MG: 1673
 Orenberg EK: 218
 Orglazzi J: 3074

Oriol-Bosch A: 3075
 O'Riordan JL: 2157
 Orjavik OS: 3076
 Orlova GL: 3077
 Orlova LV: 3078
 Orlova VG: 3079
 Ormos J: 845
 Ormrod R: 3080
 Ornoy A: 1241, 3746
 Orr JC: 3081
 Orrego H: 1952
 Ortega E: 3082
 Ortel RW: 2969
 Orth DN: 2450, 3083
 Ortuž Berrocal J: 1015
 Ortuž González JM: 3084
 Ortmann R: 743
 Orzechowski S: 1414, 3085
 Osawa N: 3086
 Osborne RH: 1279
 Osburn BI: 1771
 Osgood RW: 4011
 O'Shea A: 474, 1998
 O'Shea JD: 671
 Osher RH: 3087
 Oshima H: 3088
 Osieka R: 3735
 Osman NM: 4154
 Osman VI: 3261
 Osnes J: 3089
 Osnes JB: 2963
 Osorio M: 1606
 Ossli E: 1262
 Ostashevskaya MI: 2383
 Oster P: 1012
 Osterberg RE: 3090
 Osterman PO: 2569
 Ostertag H: 3091
 Oštrčić I: 1236
 Ostroumov SA: 230
 Ota S: 3831
 Ota Y: 4129
 Otabe K: 3047
 Ott CE: 2203
 Ott J: 1403, 3092
 Otten U: 3093-3094
 Otto WR: 1292
 Ouedraogo O: 3095
 Ovcharova W: 467
 Oving H: 4322
 Owald MM: 3
 Owen PJ: 501
 Owusu SK: 3096
 Oxon DM: 794, 3097
 Oya M: 3098
 Oyasu R: 2397
 Oye I: 2963, 3089
 Øystese B: 3076
 Oza NB: 1619
 Ozaki O: 3099
 Ozato K: 3100
 Ozer FL: 3101-3102
 Ozol' Liu: 162
 Ozon R: 1077
 Ozonoff MB: 3103

P

Packard GC: 3104
 Packer S: 3105
 Packham MA: 1567, 2912
 Pacovský V: 3106
 Pacynski A: 4585-4589, 4587
 Paetkau VH: 2400
 Pagano JS: 3807
 Page DL: 1847
 Page ME: 3107
 Page RB: 3108
 Page S: 2350
 Pages A: 3109
 Pagetti D: 355
 Paggi A: 2941
 Pagunis W: 4586-4587
 Pahnke VG: 3110
 Pallas JE: 3111
 Painter RB: 749
 Painter TD: 4346
 Palasciano G: 4195
 Pal'chik DA: 3112

Paldi E: 3113
 Palecek DR: 3114
 Palfreyman JW: 3115
 Pallinkashi DG: 3116
 Palladi GA: 3117
 Palma G: 3118
 Palma Alvarez A: 3119
 Palmberg PF: 610-611
 Palme G: 3120
 Palmer DS: 1338
 Palmer KH: 1452
 Palmer RF: 1893
 Palmer WK: 3121
 Palmer WM: 4616
 Palmieri B: 4245
 Pálos LA: 3122
 Paloyan E: 1433, 3123, 4348
 Paluszny M: 3124
 Palya GF: 4394
 Pan TH: 1973
 Panayotov D: 3125
 Panczenko B: 1593
 Pandian MR: 3126
 Panecka A: 3127
 Panek E: 3863
 Paneral E: 1477
 Panettiere FJ: 3128
 Pang PK: 3129, 3705
 Pang RK: 3129
 Panichkina VI: 3814
 Panigel M: 2066
 Panigrahy GK: 3130
 Panikarovskii VV: 3131
 Panitz N: 1873
 Pankseep J: 745, 3132
 Panksepp J: 745
 Pansold E: 3133
 Pant HC: 1045
 Panter GG: 4643
 Pantoja E: 3134
 Panush RS: 4534
 Paoletti R: 652
 Paolino W: 3135
 Paolucci G: 3136
 Papadimitiou JM: 3137
 Papadopoulou Z: 2587
 Papahadjopoulos D: 3138
 Papanicolaou N: 1885
 Papapetrou PD: 3139
 Papatestas AE: 3140
 Papež L: 4305
 Papp JG: 1311
 Papp Z: 4401
 Pappo E: 653
 Paquet A: 3141
 Paradysz A: 4096
 Parantainen J: 3142
 Paraskevaides CA: 676
 Partridge WM: 3143
 Párducz A: 1663
 Parekh AC: 3144
 Parent A: 3273
 Parfenov VN: 3145
 Paris M: 3147
 Pariza MW: 2191
 Park BH: 2541
 Park CR: 796, 2128
 Park DH: 1503
 Park S: 3443
 Parke DV: 2028, 4570
 Parker CR Jr: 3148-3149
 Parker DC: 3150
 Parkes MW: 559
 Parkin J: 2005
 Parks LW: 180
 Parman AU: 3151
 Parrish DR: 767, 2793
 Parrot M: 653
 Parrott RF: 3152
 Parry G: 4538
 Parsons V: 3153
 Partsch G: 3154
 Parvizi N: 3155
 Pashkovskii EV: 4383
 Paslek J: 515, 4585-4589, 4587
 Pasqual J: 2343
 Pasqualini JR: 4075
 Pasquino A: 628-629
 Passa P: 301
 Passaro E Jr: 3156

AUTHOR INDEX

Passian J: 3165
 Passouant P: 1187
 Pastan I: 83, 3157, 4542
 Pastan IH: 3158
 Pastukhov NA: 3159
 Patchfsky AS: 1953
 Patel KR: 1649, 3160
 Patel NJ: 3161
 Patnaik AK: 3162
 Patnaik BK: 3130
 Paton AM: 3163
 Patrono D: 3417
 Patscheke H: 3164
 Patschke D: 528, 3165
 Patterson WD: 3166
 Patton S: 3167
 Pauerstein CJ: 1828
 Paukov VS: 3168
 Paukstells JV: 3745
 Paul A: 897
 Paul B: 3294
 Paul D: 1390
 Paul HS: 3672
 Paul WE: 3659
 Pauli BU: 3169
 Paulin R: 3170
 Paulsruud J: 4545
 Paulsruud JR: 4203
 Pauly JE: 3662
 Paunier L: 118
 Pavlik V: 3171
 Pavlin V: 3172
 Pavlov BD: 4623
 Pavlović-Hournac M: 972
 Pawan GLS: 3173
 Pawelek J: 3174
 Pawlak J: 3175
 Pawley JB: 3176
 Pawlik W: 459
 Pawlikowski M: 3177-3178
 Pawlowski JR: 2448
 Pawson S: 3218
 Payment P: 142
 Payne AP: 3179
 Payne JM: 2676
 Payne P: 1329
 Paysant P: 285, 1431
 Peach MJ: 1515
 Peacock M: 147
 Peacock WJ: 3180
 Peake RL: 1700, 1933, 3181
 Pearce J: 202, 2044
 Pearson HA: 3182
 Pearson, JK: 3183
 Peat R: 3184
 Peck JW: 3185
 Peckham WD: 423
 Peddie MJ: 1056
 Peddit MJ: 1055
 Peden VH: 3186
 Pedersen PA: 2073
 Pedersen PH: 2367
 Pedersen PR: 3187
 Pederson TC: 1624
 Pedroza-Garcia E: 3188
 Peoples EE: 3189
 Peer RM: 3190
 Peeters B: 4361
 Pegg PJ: 2125
 Pellion F: 3191-3192, 3192
 Peláez Redondo J: 3487
 Pelák Z: 1901
 Pelfrène A: 3193
 Pelkonen R: 2984
 Pellet W: 3111
 Pellon F: 3194
 Peltonen J: 2323
 Pelzer K: 515, 4585-4589, 4587
 Peña HG: 3195
 Penacchio E: 3526
 Penchaszadeh VB: 3196
 Pendlebury A: 282
 Penfield LA: 1156
 Peng I: 699
 Pennaforte F: 808
 Penrose JM: 2956
 Pent D: 2531
 Pentasuglia N: 3453
 Penttilä A: 3197
 Penttinen R: 3288

Penz G: 2248
 Pepperell RJ: 3198
 Pera F: 3199
 Peracchi M: 1477
 Percle-du-Sert M: 4660
 Perego MA: 3200
 Perex M: 3480
 Peres A: 3078
 Pérès G: 1091
 Peretz BA: 1351, 3113
 Pérez Comas A: 3201
 Perleás I: 3202
 Peringer E: 3203
 Perkins ES: 3204
 Perkins JL: 3252
 Perkins JP: 743, 3205
 Perkins KW: 1223
 Perkins LA: 2803
 Perks AM: 1857
 Perloff LJ: 3206
 Peron F: 205
 Peron FG: 2487
 Peroua NV: 1438
 Perry JS: 3207
 Perry MC: 3208
 Persaud TV: 3209-3210
 Pershin MP: 2091
 Persianinov LS: 3211-3212
 Persico E: 835
 Persson J: 2574-2575, 3213
 Persson U: 2842
 Pert A: 297
 Peruzzi G: 4132
 Pestiakov TS: 3214
 Peter D: 1789
 Péter L: 2780
 Peters DK: 2528
 Peters MJ: 4319
 Peters RL: 3619
 Peters T: 631
 Peterson AJ: 3215-3216, 3216
 Peterson JA: 1581
 Peterson RG: 2878
 Petite JP: 1921
 Peto R: 3217, 3330
 Pétra PH: 2795
 Petrakis NL: 3218
 Petránýl GG: 3219
 Petrella EJ: 4250
 Petrescu L: 3220
 Petrescu R: 4655
 Petrie JJ: 758
 Petrln M: 4544
 Petrov RV: 346, 2159
 Petrov VA: 3636
 Petrov IuA: 2095
 Petrova GA: 4200
 Petrucluk IV: 3500
 Pettinger WA: 601, 3221-3223
 Petty FC: 1933
 Petty TL: 1827
 Petukhov VM: 2800
 Peute J: 4323
 Pevet P: 3224-3225
 Pevzner LZ: 3350, 3754
 Pexton JE: 3226
 Peyman GA: 4164
 Peyrin JO: 3095
 Pfander WH: 1087
 Pfeffer D: 1029
 Pfeifer K: 3133
 Pfeifer Y: 1351
 Pfeiffer EF: 2356
 Pfeiffer RA: 3227, 4500
 Pfeuffer T: 3228
 Pflüger G: 2788
 Pfunch T: 1731
 Pham Huu Trung MT: 3192
 Phemister RD: 1854, 2964
 Phil D: 930
 Philalithis PE: 3229
 Philbert: 2859
 Philbert M: 2858
 Philip J: 3230
 Philipp-Dormston WK: 3231
 Philippakos D: 2970
 Philippe P: 3232
 Phillips AG: 1263
 Phillips IR: 3233
 Phillips JC: 2337

Phillips JH: 3234-3235
 Phillips JM: 1952
 Phillips LS: 902
 Phillips ME: 1121
 Phillips RJ: 1196
 Phillips WEJ: 1555
 Phillips OT: 2850
 Pi-Sunyer: 506
 Plamba G: 1948
 Plamphongsant T: 3236
 Piatkowski Z: 3237
 Picken R: 3238
 Pickering BT: 561
 Pleau C: 3387
 Plechowska MJ: 361
 Pielka S: 515, 4585-4589, 4587
 Pierce JC: 3239, 4438
 Pieroni RR: 3250
 Pierrepont CG: 1194, 3240
 Pierscinska E: 3982
 Pierson M: 3241
 Pierson RE: 3242
 Pietkiewicz D: 2821
 Pietsch P: 3721
 Piez KA: 2712
 Piguet B: 3243
 Pike JE: 3244
 Pilley S: 3028
 Pilo A: 2944
 Pilon R: 2332
 Pils P: 4237
 Pimstone B: 340
 Pimstone BL: 3245
 Pincheira J: 3246
 Pindyck J: 3247
 Pinet A: 325
 Pinkstaff CA: 632
 Pinna GG: 3248
 Piñón F: 3249
 Pinsky S: 127
 Pinto B: 617
 Pinto H: 3250
 Pinto M: 1477
 Pinto N: 2659
 Piontek E: 4429
 Plovant M: 3251
 Pipa RL: 4580
 Piper EL: 3252
 Pirazzoli P: 589, 737
 Pirle DE: 2043
 Pirke KM: 3253, 3545
 Pirroinen O: 3254
 Piruzian LA: 3495
 Pisano JJ: 46, 3537
 Pisarev MA: 3255
 Pitchayayothin N: 3308
 Pitcock JA: 3256
 Pitkanen Y: 3332
 Pitkin RM: 4009
 Pitlik S: 3520
 Pitols M: 3420
 Pittman QJ: 3257
 Pitzolis G: 1451
 Piver MS: 3258
 Piza F: 3259
 Pizzolo G: 4374
 Placheta P: 3661
 Plančák J: 1958
 Plantner JJ: 3260
 Platonova E: 467
 Platonow N: 3578
 Platt DS: 2147
 Claude RK: 3261
 Plaza de los reyes M: 3262
 Pleau JM: 165
 Plescia OJ: 3263
 Plescia, OJ: 3264
 Pleshkov AM: 3265
 Pletsch QA: 4341
 Pliess G: 3266
 Pliskin AV: 3496
 Pluto LI: 2829
 Ploch E: 3237
 Ploöen L: 1655
 Plotkin SA: 3267
 Plotnicki B: 3237
 Plotnikoff NP: 488
 Plotz EJ: 2463
 Plouin PF: 2747
 Plum CM: 2491

AUTHOR INDEX

Plumlee MP: 3195
 Pluot M: 808
 Plymate SR: 3268
 Plzak F: 2960
 Poal-Manresa J: 616
 Poat JA: 1159
 Poboran C: 133
 Poch G: 2298
 Pochin EE: 3269
 Podesta EJ: 1086
 Podorozhnyi PG: 3270
 Podos SM: 611
 Poggi G: 1230
 Pohl SL: 3271
 Pointer RH: 1210
 Pointis G: 3272
 Poirier R: 3028
 Poltras D: 3273
 Poklitar' MG: 3117
 Pokora J: 3645
 Pokrovskiy PI: 87
 Pokroy M: 1034
 Pokryshkin VI: 3274
 Polachek AA: 3275
 Polackwich RJ: 3364
 Polak JM: 641
 Polak LJ: 3899
 Polan CE: 1996
 Poland RE: 3545
 Poleo J: 1022
 Polidori G: 3276
 Polishuk WZ: 3716
 Poljanic S: 3297
 Polk HC Jr: 1353
 Pollack A: 3132
 Pollak K: 3785
 Pollard I: 3277
 Polleri A: 3499
 Pollet JE: 2957
 Pollitt RJ: 178
 Pollock DJ: 226
 Pollock JG: 3027
 Pollock SH: 516
 Pollock B: 3278-3279
 Polow K: 3279
 Polosa P: 862
 Polow K: 3279
 Polzonetti Magni AM: 2572, 3280
 Pomahac AC: 3281
 Pomeroy J: 2441
 Pons F: 61
 Ponsold K: 1881, 3282
 Ponticelli C: 3283
 Poole RK: 3284
 Poortman J: 3285
 Pope AL: 3286-3287
 Pope FM: 3288
 Pope HV: 1994
 Pope JH: 3289
 Popescu TA: 3290
 Popov TA: 134
 Popova LA: 3291
 Popovtzer MM: 3292
 Poppins H: 2336
 Poradovsky K: 3733
 Pornaro E: 333
 Porter G: 1803
 Porter GA: 3293
 Porter IH: 3294
 Porter JW: 2339
 Porter NA: 1366
 Porthe-Nibelle J: 3295
 Portland LA: 2793
 Porzig H: 2046
 Posadino PM: 3248
 Poshychinda V: 731
 Posner AS: 3296
 Pösö AR: 1811
 Pospisil J: 1889
 Post G: 2196
 Post M: 3896
 Poste G: 3138
 Postoronka GA: 2061
 Postuznik S: 3297
 Poteczin E: 1238
 Poth MM: 3298
 Pothiwong S: 1023
 Potter MG Jr: 1155
 Potter VR: 2191
 Pottier J: 4030

Potts JT Jr: 1646-1647, 2157, 3741
 Poulain P: 3299
 Poulet J: 762
 Poulos A: 3300
 Poulsen K: 400
 Pounder RE: 3301
 Powell D: 1089, 2867
 Powell HR: 2601
 Powers LG: 124
 Powers SR Jr: 2560
 Powles TJ: 3302
 Pozin Elia: 4395
 Prachakvej P: 3303
 Pradal G: 2410, 3304
 Pradalier A: 1079
 Prager-Lewin R: 2365
 Pragnell J: 2023
 Prange AJ Jr: 488
 Prasad AV: 4556
 Prasad KN: 3580
 Prasad MR: 3355
 Prasad U: 3305
 Pratt GE: 4201
 Pratt JJ: 3306, 4527
 Pratt RM: 3307
 Precht K: 538
 Prechtel K: 277
 Predtechenskaya VS: 194
 Preedy JR: 771
 Preeyasombat C: 3308
 Prejac M: 106-107
 Presl: 3309
 Presl J: 1890, 3310
 Presser HB: 3311
 Pressman BD: 3312
 Prestele H: 478
 Preston RL: 2837
 Pretty K: 1560
 Prezewowsky K: 76
 Price GH: 1582
 Price H: 3313
 Price JL: 3314
 Price JR: 223
 Price LA: 3315
 Priest FG: 3316
 Prieto JC: 3773
 Primer G: 3317
 Prince WT: 329
 Pringle GA: 918
 Prinz JA: 2131
 Prochaska LJ: 3318
 Prochukhanov RA: 3319
 Proesmans W: 3320
 Proffitt MR: 3321
 Prokhonchukov AA: 3131
 Prokof'eva ISH: 2449
 Prokopowicz D: 3322
 Pronicka E: 3323-3324
 Pronina GM: 4370
 Pronina NN: 3325
 Protich M: 3125
 Prouvost JM: 1483
 Prudent JF: 334
 Pruss GM: 3326
 Psarras A: 2246
 Psatta DM: 3327-3328, 3328
 Puchkov IuG: 4313
 Puech A: 3329
 Pugsley DJ: 3330
 Pugsley TA: 3331
 Pujol M: 2375
 Pulkkinen MO: 3332
 Purandare TV: 4166
 Purinia IZH: 3261
 Purves HD: 21
 Puskin JS: 1625
 Pytel YA: 3333

Q

Quaglia F: 4376
 Quagliarillo E: 1512
 Quaglio G: 3334
 Quarterman J: 2879
 Quatacker J: 3335
 Queen G: 2326
 Quile PG: 1808
 Quinn P: 3336
 Quinton BA: 3925

Quirantes A: 39
 Quirke JF: 3337
 Qvigstad EK: 128

R

Raabe H: 538
 Raaf S: 1626
 Raam S: 678
 Rab SM: 238
 Rabast U: 3700
 Rabe F: 3338
 Rabe TN: 1807
 Rabenhorst G: 372
 Rabinowitz D: 284, 1680, 3716
 Rabkin R: 1034
 Raboch J: 3339
 Rabstein LS: 3619
 Racadot A: 3340
 Racadot-Leroy N: 3340
 Racagni G: 652
 Raclavská V: 1108
 Racusen R: 3341
 Rademacher HP: 3342
 Radev AI: 3343
 Radford HM: 2935
 Radichevich I: 4509
 Radke WJ: 3344
 Radwan M: 2041
 Radzikhovskaya RM: 4241
 Raff MC: 1335
 Raffi F: 1522
 Rager K: 3345
 Raghavala NV: 3346-3348
 Ragland JB: 1478
 Ragucci N: 3349
 Rahman AF: 2790
 Raigorodskaya TG: 3350
 Raj K: 3351
 Raikhlin NT: 2258, 3352-3353
 Rain JD: 2306
 Raitl S: 2624
 Raitsina SS: 3354
 Rajalakshmi K: 1965
 Rajalakshmi M: 3355
 Rajanleml HJ: 3356-3357
 Rajčić V: 33
 Rajerison R: 1987-1988
 Ralaivao J: 2779
 Rall JE: 3359
 Rall TW: 3358
 Rallison ML: 3359
 Rama Sastry BV: 2109
 Ramachandran J: 3360
 Ramaekers F: 2428
 Ramaley JA: 3361
 Ramamurthi B: 3362
 Raman T: 4155
 Ramanathan S: 3363
 Ramasarma T: 3904
 Rambaut PC: 2387
 Ramella M: 433
 Ramey JN: 3364
 Ramírez Ojeda J: 1510
 Ramos LD: 4288
 Ramp WK: 3365
 Ramsay CH: 418
 Ramseier EW: 3366
 Ranadive NS: 3588
 Rand MJ: 535
 Randall HT: 659
 Randall JG: 3104
 Randall W: 4252
 Randone G: 628-629
 Rangier JM: 3367
 Rangneker PV: 3368
 Rannels DE: 3369
 Ranta T: 3370, 3765, 4273
 Rantanen P: 939
 Rao AJ: 2464, 3584
 Rao BS: 3347-3348
 Rao GR: 2675
 Rao GS: 3372
 Rao LS: 779
 Rao M: 3371
 Rao ML: 3372
 Rao PL: 2675
 Rao SS: 4166
 Rapaport SI: 1517

AUTHOR INDEX

- Rapaud J: 3513
 Raphael JC: 1545
 Rappaport R: 2711
 Raskuratov IuV: 2316
 Rasmussen H: 367-368, 3373
 Rasmussen I: 2073
 Rasmussen JE: 3374
 Rasmusson GH: 3375
 Rassam JW: 3376
 Rastogi RK: 2812, 3377
 Rasumova VV: 3779
 Raszeja-Wanic B: 3378
 Ratcliffe JG: 663, 1868, 3379
 Ratcliffe NA: 2556
 Ratcliffe WA: 663, 1868, 3379
 Rathenberg R: 4391
 Ratzenhofer M: 3380
 Raunu EM: 4197
 Rauramo L: 3254
 Ravina JH: 3381
 Rawlings W Jr: 3382
 Rawlinson J: 906
 Rawstron RE: 3383
 Ray PK: 3384
 Ray TK: 3385
 Raymakers JA: 1941
 Raymond SL: 3386
 Raynaud A: 3387
 Rayssiguler Y: 3388
 Razpopova M: 3389
 Rea TH: 2933
 Reale E: 4175
 Reaven GM: 51, 1468, 3050
 Rebel A: 324
 Rebolgar JL: 1466
 Reboul D: 3391
 Reboul J: 3390
 Rebout M: 3391
 Recart S: 3943
 Recker RR: 1739
 Reckless J: 3392
 Recorder AM: 1150
 Reddi AH: 3393
 Reddy BS: 3394
 Reddy CM: 644
 Reddy CV: 1543
 Reddy PR: 3395
 Reddy SB: 3396
 Reddy SS Jr: 3347
 Redfern PH: 1812
 Redick JA: 4180
 Red'kin IuV: 3397
 Redman JF: 3398
 Redman LJ: 3399
 Redmond DP: 2405
 Reed BL: 3400
 Reed G: 3401
 Reed KC: 3402
 Reed W: 2582
 Reeh MJ: 3403
 Rees ED: 263
 Rees HD: 3960
 Rees LH: 1458, 3404
 Reeve EB: 3292
 Regard E: 3405
 Regensburger D: 3964
 Regli F: 1682
 Rehbock C: 1756
 Rehder H: 3406
 Reichelt PA: 3407
 Reichenberg K: 4375
 Reichert LE Jr: 2964, 3408
 Reichert Jr. LE: 2386
 Reid J: 3799
 Reid JF: 3409
 Reidel J: 1543
 Reiderman MI: 1464
 Reimann EM: 3673
 Reimers HJ: 1567, 3410
 Reinauer H: 3411
 Reintoft I: 2588
 Reinwein D: 1790
 Reis DJ: 69, 1042, 3412
 Reisenauer R: 2270, 2960
 Reiser G: 4236
 Reisher S: 146
 Reisner EH Jr: 1531
 Reiss E: 606
 Reiter RJ: 3413-3415
 Rejnek J: 2292
 Remezov SM: 3131
 Remine WH: 542
 Remy JM: 2364
 Rendell M: 2485, 3416, 3483, 3600
 Rendina GM: 3417-3418
 Rendu F: 3419
 Rene A: 2540
 Renfree MB: 1741
 Renier JC: 324, 3420
 Renkawitz-Pohl R: 3421
 Renner R: 2142, 3422-3423
 Rennert OM: 1404
 Rennie GC: 3198
 Renold AE: 3804
 Renshaw A: 3424
 Renson J: 218
 Renston JP: 3425
 Renston RH: 3425
 Renton CJ: 3426
 Renyi AL: 3527-3528, 3528
 Renzoni A: 164
 Reschini E: 1477
 Resegotti L: 3135
 Reshef L: 199
 Reske W: 1678
 Resko JA: 3427
 Resnick MI: 3428
 Resnik R: 3429
 Restall BJ: 1743, 4284
 Rettori VB: 1467
 Reuse JJ: 3482
 Reuter H: 2046, 3430
 Reuter HG: 2953
 Revis NW: 1100
 Reyes FI: 3431, 4556
 Reyes PL: 2634
 Reynhout JK: 3432
 Reynolds CW: 2139
 Reynolds DG: 2921
 Reynolds EH: 3433
 Reynolds WA: 4009
 Reynoldson JA: 3434
 Režábek K: 3435
 Rezaković-Paleček D: 3436
 Rezek DL: 1532
 Reznichenko FM: 2180
 Rhamy R: 1847
 Rho YM: 3437
 Ribera Casado JM: 3438
 Ribot GStanzani S: 2051
 Riccabona G: 3439
 Ricci A: 3440
 Ricci N: 867
 Rice BF: 2632
 Rice NS: 3028
 Richards DH: 341
 Richards HK: 2012
 Richardson C: 647
 Richardson JE: 3441
 Richet G: 3442
 Richlardi P: 3592
 Richman R: 3443
 Richman RA: 3444
 Richradson BP: 2975
 Richter A: 3445
 Richter P: 4227
 Richter R: 2134, 3446
 Rickert DE: 1282
 Ricqueler D: 3447
 Rider AA: 1905
 Ridgway EC: 2245
 Rieger A: 1133
 Rieke E: 1873
 Rieke J: 3448
 Ries P: 3449-3450
 Rifat K: 3451
 Rifle G: 327
 Riggins RS: 875
 Riggs AD: 3452
 Rigillo N: 3453
 Rigopoulos G: 2246
 Rigter H: 2428
 Riley PA: 3454
 Riley PM: 3455
 Riley TL: 995
 Rilmoin DL: 1337, 1848, 2330, 3456-3457, 3925
 Rinaldi RA: 2467
 Rinaldo JE: 2451
 Rindfuss R: 2683
 Rindone E: 3458
 Ring J: 3976
 Ring K: 3459
 Ringleb D: 1013
 Riondel AM: 379
 Rioldino G: 2941
 Rios ME: 3460
 Rippel RH: 3461
 Riquelme PT: 576
 Riquelmne PT: 575
 Risen OM: 918
 Risse HJ: 3493
 Ritter M: 3132
 Ritter MA: 3462
 Ritz E: 432, 2272
 Ritzén EM: 1655
 Rivadeneyra J: 800
 Rivas ML: 3463
 Rivers JM: 1169, 3464
 Rivier J: 3465
 Rivlin RS: 3466
 Rixon RH: 2627
 Rizkallah TH: 3467
 Rizzelli S: 2728
 Rizzetto M: 3465
 Rizzo G: 2753
 Roach JE: 3468
 Robbins E: 2884
 Robblee LS: 3820
 Roberi PL: 433
 Robert A: 3469
 Robert JM: 4251
 Roberts D: 3470
 Roberts DK: 3471
 Roberts FF: 3472
 Roberts G: 3473
 Roberts JW: 1933
 Roberts MH: 215, 469
 Roberts PA: 3474
 Robertson I: 935
 Robertson JJ: 3031, 3163
 Robin M: 1976
 Robinow M: 3475
 Robins E: 3476
 Robins RK: 727
 Robinson AG: 3477
 Robinson AR: 679
 Robinson GA: 3478
 Robinson HB Jr: 3479
 Robinson IC: 4382
 Robinson JA: 1010
 Robinson JC: 1294
 Robinson PM: 3850
 Robinson B: 3480
 Robison GA: 569
 Robson AM: 1450
 Robson EB: 939, 1053
 Robyn C: 4357
 Robysheva ZN: 1019
 Roca PD: 2147
 Rochar R: 2683
 Roche AF: 4514
 Rochet: 3481
 Rochiccioli P: 1105-1106
 Rochus L: 3482
 Rockwood W: 1021
 Rodbell M: 2485-2486, 3416, 3483, 3600
 Rodbro P: 728-729, 3484
 Rodger IW: 3485
 Rodgers AD: 3486
 Rodionov IM: 1931
 Rodnight R: 4497-4498
 Rodrigues E: 756
 Rodrigues MP: 2389
 Rodriguez H: 3037
 Rodriguez Cuartero A: 3487
 Roe BA: 3488
 Rogacheva SK: 4654
 Roger M: 690
 Roger P: 3489
 Rogers AI: 955
 Rogers KJ: 2924
 Rogers PW: 177, 3490
 Rogers SH: 3491
 Rogers WA: 3492
 Rogge H: 3493
 Rognstad R: 3494
 Rogovin VV: 3495
 Rogowski P: 2179
 Rogozkin VA: 3496
 Rogozkin VD: 4367

AUTHOR INDEX

Rohde K: 3497
 Rohde W: 1061
 Röhling S: 273
 Rohr HP: 238
 Roljers AF: 231
 Rolken FJ: 3498
 Rokhlin GD: 110, 3826
 Rolandi E: 3499
 Rolandi MT: 865
 Roldan AG: 947
 Rolevich IV: 3500
 Rolland M: 4091
 Rolles K: 226
 Rolis BJ: 3501
 Romaniuk A: 3502
 Romankiewicz-Woźniczko G: 3503
 Romantsev EF: 4647
 Romanushko VA: 2908
 Romashko 99: 346
 Rombauts W: 4361
 Romero JA: 3504
 Romfh P: 2106
 Romslo I: 3505
 Roncari DA: 3506-3507
 Ronquist G: 3508
 Roobol A: 57
 Rooml MW: 3247
 Rooryck J: 4151
 Roos BE: 1541, 2571
 Roos J: 2036, 2367, 3509-3510
 Roos M: 549, 3510
 Roos P: 3511
 Root AW: 3512
 Ropartz C: 1226
 Roper EF: 2106
 Roques M: 3513
 Roșca V: 1728
 Rose DP: 2417
 Rose H: 1748
 Rose MS: 3514
 Rose NR: 4389
 Röseler E: 1011
 Rosen BP: 4264
 Rosen MR: 3515
 Rosen OM: 3516, 3543
 Rosen PP: 3889
 Rosenberg BJ: 3518
 Rosenblatt JS: 3859-3860
 Rosenfeld CR: 3517
 Rosenfeld MG: 1198, 2803
 Rosenfeld RS: 3518
 Rosenmayr VF: 3519
 Rosenqvist U: 1588
 Rosenthal IM: 3444
 Rosenthal M: 2269
 Rosenthal RE: 3457
 Rosenthal RS: 1244
 Rosenthal T: 3520
 Rosenthal WA: 4267
 Rosenthale ME: 3521
 Roser S: 3522-3523
 Rosero EH: 3524
 Rosey A: 1640
 Rosito P: 3136
 Roskam J: 3525
 Rosler A: 1680
 Rösler H: 2226
 Rosner F: 3749
 Rosner I: 3526
 Rosner JM: 620-621, 3188
 Ross J Jr: 4360
 Ross SB: 3527-3528, 3528
 Rossi G: 449
 Rossi M: 3135
 Rossi Straub R: 3169
 Rossman LG: 3150
 Rössner S: 624, 3529
 Rostad H: 3530
 Rotenberg E: 2601
 Roth GS: 3531
 Roth J: 2055, 3532-3533
 Roth JA: 3534
 Roth RH: 1708
 Rothchild I: 2871
 Rothenbuchner G: 1860
 Rothman-Denes LB: 1179
 Rothmund M: 2952
 Rothstein A: 587
 Rotter A: 4568
 Roucayrol JC: 1946

Rougerle J: 4231
 Rougler P: 653
 Roujeau J: 783
 Rouse JP: 807
 Roush BW: 1362, 1364
 Rousseau GG: 3535
 Rousset B: 3536
 Row VV: 4398
 Rowe AS: 430
 Rowe DW: 3288
 Rowe FA: 303
 Rowe H: 2421
 Rowe P: 4476
 Rowe VD: 3537
 Rowe WS: 3538-3539
 Rowland N: 3540
 Roy C: 1987-1988
 Roy M: 897
 Royer RJ: 3541
 Rozen VB: 3928
 Rozenberg MC: 380
 Rozenweig M: 3542
 Rubin CS: 3516, 3543
 Rubin RP: 3544, 4456
 Rubin RT: 3545
 Rubio ME: 3546
 Rubio-Donnadieu F: 3547
 Rubman A: 1228
 Ruckebusch Y: 3548
 Rudall G: 3549
 Rudd BT: 3550
 Ruddle FH: 4537
 Ruderman RJ: 3551
 Rudert WA: 181, 3844
 Rudland PS: 3744
 Rudloff E: 3552
 Rudman D: 3553
 Rudnev IuN: 3766
 Rudnicki S: 1051
 Rudolf M: 3554
 Rudolph SA: 2634, 2658
 Rudowski W: 528
 Rudy TA: 3555
 Ruhrmann H: 3556
 Ruis H: 359
 Ruiz E: 606, 2443
 Rukavishnikova GE: 3557
 Rummyantseva ON: 3558
 Rusak B: 3559
 Rusche HJ: 1790
 Russ E: 3725
 Russell AM: 2676
 Russell DH: 3560-3561
 Russell JC: 3562
 Russell JM: 394
 Russell P: 4324
 Russell PR: 1625
 Russell SD: 3561
 Russell SL: 3563
 Russell T: 1824, 4084
 Rutberg RA: 87
 Rutherford BS: 1025
 Rutledge JJ: 3564
 Rutman RJ: 146
 Ruvalcaba RHA: 3565
 Ryan KJ: 911, 4270
 Ryan KO: 2610
 Ryan M: 3566
 Rybakov NI: 4648
 Rybakova MG: 3567
 Rybicki Z: 3065
 Ryckewaert A: 2306, 2418
 Ryle M: 1090
 Ryley JF: 3568
 Rymashevskii VK: 3569
 Ryo UY: 127
 Rytel MW: 1261
 Rytömaa T: 3570

S

Saarinen A: 4273
 Saat YA: 3571
 Saatov T: 4275
 Saavedra JM: 3572
 Sabbadini R: 3573
 Sabelli HC: 3574
 Saberi M: 3575
 Sabiston DC Jr: 3576

Saborio M: 1456, 3241
 Sabto J: 1606
 Sabyrov GS: 1117
 Sačduyu H: 2253
 Sachdev VP: 3437
 Sack J: 720
 Sackler AM: 4506
 sadokov MKh: 255
 Sadler WA: 4278
 Sadokova IE: 3577
 Sadove M: 3717
 Sadow J: 4182
 Sadun R: 436
 Safar A: 3874
 Safe S: 3578
 Safouh M: 1371
 Sagel J: 261, 1034-1035, 3579
 Saheki T: 2104
 Săhleanu V: 3877
 Sahu SK: 3580
 Saladian OB: 3581
 Said SI: 3582
 Sailer MH Jr: 1058
 Sainsbury DA: 3583
 Sainte-Croix A: 2306
 Salpov TD: 4276
 Salram MR: 3360, 3584
 Saito I: 3618
 Saito K: 4216
 Saito M: 4287
 Saito N: 1940
 Saito S: 3585-3586
 Saito Z: 2235
 Sajgó K: 3587
 Sajnanl AN: 3588
 Sakakura M: 3589
 Sakamoto H: 2737
 Sakamoto M: 3590
 Sakamoto S: 3590
 Sakamoto T: 3047, 3069
 Sakata Y: 3068
 Saksena SK: 3591
 Saku M: 3035
 Sakuma H: 3623-3624, 3624
 Sakuma Y: 2172
 Sakurada K: 1704
 Sakurada T: 3585-3586
 Salabe GB: 3592-3593
 Salakhova NS: 3594
 Salaman DF: 4512
 Salaman JR: 3595
 Salamon G: 1437
 Saland LC: 967
 Salardi S: 589, 737, 3136
 Salas M: 3596
 Salazar H: 4205
 Saleh N: 2321
 Salem S: 4154
 Salerno L: 1367
 Salganicoff L: 3597
 Salkie ML: 3598
 Salmon J: 872
 Salmons S: 3599
 Sal'nikova GP: 4272
 Salomon I: 4152
 Salomon Y: 2485, 3416, 3483, 3600
 Salt PJ: 3554
 Saltman S: 1334
 Saluja PG: 1681
 Salway JG: 1914
 Salzman EW: 23
 Sambhi MP: 1112, 3601
 Samimy J: 2024
 Samir Amer M: 3602
 Sampson GA: 178
 Sampson RG: 2553
 Samuel E: 3603
 Samuelsson B: 1676, 2661, 3604
 Samuilov VD: 230
 Sanchez HM: 4250
 Sánchez-Alonso F: 2717
 Sánchez-Garrido F: 2717
 Sandberg AA: 3605, 4349
 Sandberg G: 3606
 Sanders MD: 1118
 Sanderson CJ: 3607
 Sandler JA: 3608
 Sandor T: 675
 Sandow J: 1426
 Sandront HM: 1413

AUTHOR INDEX

- Sandtner I: 3154
 Sanduliak LI: 3822
 Sanel FT: 3664
 Sanford CH: 1498
 Sanger R: 939
 Sanghvi IS: 3609
 Sankar DV: 2304
 Sann L: 3610
 Sannerstedt R: 3611
 Sano K: 3612
 Sansone A: 998
 Sansone M: 3174
 Santen FJ: 3613
 Santen RJ: 2300
 Santos JM: 349
 Santtni R: 3614
 Sar M: 3960
 Saratikov AS: 3615
 Sareen C: 3616
 Sarles H: 4195
 Sarma RH: 1197
 Sarna S: 2217
 Sartin MA: 3617
 Saruta T: 3618
 Sas M: 1213
 Sasa M: 4121
 Sasaki N: 2982
 Sashchenko LP: 3779
 Sass B: 3619
 Sassenrath EN: 3620
 Sasslin JF: 3621
 Satava RM Jr: 3622
 Sato A: 3064
 Sato H: 121, 521, 2737, 4124
 Sato S: 1357
 Sato T: 3623-3624, 3624, 4148
 Sato Y: 3623
 Satoh S: 3625
 Satone T: 3626
 Satter RL: 3341
 Sattin A: 3627
 Saucy G: 767
 Saudek CD: 3970
 Saudubray JM: 1776
 Sauer DB: 3745
 Saulsbury FT: 3628
 Saumande J: 3629
 Saunders KB: 3554
 Saunders JHB: 3630
 Saurat JH: 3631
 Sauro FM: 3090
 Savage DC: 3632
 Savchenko LS: 4139
 Savchenko ON: 3633
 Saville PD: 1739
 Savitski GA: 3634-3635
 Savostin GA: 3636
 Savov G: 467
 Sawano S: 3637
 Sawazaki N: 2825
 Sawers RS: 2631
 Sawyer CH: 3638
 Sawyer RH: 1771
 Saxena BB: 3639, 4451
 Sbarbaro JL Jr: 3640
 Scacchi P: 2838
 Scales D: 3573
 Scalia F: 3641
 Scallen TJ: 3642
 Scanes CG: 1303, 1485, 1671
 Scapagnini U: 2815
 Scaramuzzi RJ: 2709
 Scarda A: 2753
 Scarisbrick JJ: 3643
 Scawen MD: 3644
 Schabowski J: 3645
 Schaefer HE: 3646, 4158
 Schaefer K: 3647
 Schaefer KE: 3648
 Schäfer B: 3653
 Schaffner F: 3649
 Schaison G: 3650-3651
 Schalch DS: 320, 715, 1514, 2096
 Schaller A: 1170
 Schalley AV: 4380
 Schally AV: 120-121, 521, 638, 822-824, 1199, 1426, 1514, 2096, 2992, 4046, 4381, 4633
 Schambelan M: 3652
 Schanfield MS: 864
 Schapiro S: 3596
 Schapoval EE: 2422
 Schaps D: 1790
 Schargus G: 3653
 Schatz RA: 3654
 Schatzki SC: 915
 Schefels W: 3655
 Scheffler G: 3919
 Scheib D: 1652
 Scheike O: 3656
 Scheinberg IH: 4025
 Scheiner E: 3657
 Schemmel K: 372
 Schenck H: 2966
 Schenk HD: 3964
 Schenk RK: 3658
 Scher I: 3659
 Schermann J: 3660
 Scherthaner G: 3661
 Scherpe A: 4050-4051
 Schettino T: 855
 Scheving LE: 3662
 Schlick H: 3663
 Schiele F: 3663
 Schiff M Jr: 502
 Schiffer CA: 3664
 Schilling G: 2019
 Schimke RN: 3665-3666
 Schimpff SC: 3667
 Schimrigk K: 3668
 Schindler AE: 2134
 Schindler H: 3669
 Schirpke B: 2267
 Schlaepfer WW: 3670
 Schlanderer G: 3671
 Schlatterer B: 3672
 Schlegel J: 3282
 Schlender KK: 3673
 Schlenk F: 3674
 Schlesinger DH: 3675
 Schlesinger K: 3676
 Schleyer M: 3677
 Schlick W: 3678
 Schlitt R: 3446
 Schlueter DP: 1261
 Schmauch MA: 808
 Schmalalek P: 3679
 Schmid P: 3678
 Schmid R: 3680
 Schmidt CG: 3735
 Schmidt G: 3681
 Schmidt GH: 3854
 Schmidt JD: 2649, 3682
 Schmidt N: 3683
 Schmidt P: 3684
 Schmidt PK: 1011
 Schmidt-Ullrich R: 3685
 Schmitt P: 1126
 Schmoldt A: 1539
 Schnabel R: 1881
 Schneek GW: 3686
 Schneid MP: 3687
 Schneider A: 127
 Schneider AB: 3688, 4503
 Schneider EG: 3689
 Schneider G: 3690
 Schneider HP: 2134
 Schneider J: 1489
 Schneider JA: 3691
 Schneider KW: 931
 Schneider R: 858
 Schneider U: 1013, 3692
 Schneider W: 3693
 Schnurr E: 3694
 Schnute WJ: 169
 Schober W: 2215
 Schoelch-Krieger M: 3695
 Schoen E: 152
 Schoen U: 3696
 Schoene WC: 437
 Schöffling K: 965
 Schofield JG: 3697
 Scholler R: 690
 Scholte PJ: 3698
 Scholtz Z: 3699
 Scholz DA: 3622
 Schönborn J: 3700
 Schönecker B: 3282
 Schöneshöfer M: 3031
 Schork A: 1619
 Schorn D: 3701
 Schottenfeld D: 3889
 Schrader WT: 2296
 Schramm LP: 1592, 3702
 Schramm M: 3703
 Schreiber M: 3726
 Schreiber V: 3106, 3704
 Schreibman MP: 1858-1859, 3705
 Schretlen P: 4411
 Schreyer P: 640
 Schriebers H: 1448, 2381-2382
 Schrier RW: 2604, 3292
 Schröder CH: 3706
 Schröder E: 2381-2382
 Schröder F: 3653
 Schröder J: 939
 Schroeder O Jr: 3707
 Schrör K: 1311
 Schubert E: 4062
 Schubert GE: 4650
 Schubert K: 1881, 3282
 Schubring G: 2134
 Schück O: 3708
 Schuetz AW: 913, 916
 Schuhman R: 1428
 Schüle M: 3709
 Schuller E: 4088
 Schulman H: 42
 Schuster D: 3115
 Schultz G: 3710-3711
 Schultz J: 3712, 3909
 Schultz K: 3710
 Schultz SG: 2451
 Schultze G: 3031
 Schulz A: 3713-3714
 Schulze C: 3715
 Schumacher OP: 268
 Schumer W: 1184
 Schumert Z: 3716
 Schuster GS: 2623
 Schutte H: 647
 Schutte M: 3717
 Schutz G: 3718
 Schuurs AH: 3719
 Schwabe U: 3720
 Schwahn D: 3721
 Schwandt P: 4493
 Schwartz A: 3722
 Schwartz E: 155
 Schwartz J: 978, 2719
 Schwartz MK: 1289, 3723
 Schwartz SI: 3190
 Schwartz VKD: 3724
 Schwartzkopf W: 3725
 Schwarz F: 1766, 3285, 4338
 Schwarz JA: 774
 Schwarz S: 3726
 Schwarz WA: 3727
 Schwarzstein L: 2796
 Schwenen M: 1365, 3728
 Sciamanna W: 2793
 Sclarra JJ: 1243
 Scoggins BA: 3850, 4557
 Scorer JA: 3908
 Scothorne RJ: 2033
 Scott AP: 2557
 Scott CG: 4544
 Scott IM: 4337
 Scott MA: 2793
 Scott RM: 3383
 Scott W: 3289
 Scott WA: 3729
 Scow RO: 1406
 Scranton PE Jr: 2628
 Scriba PC: 3730
 Scrutton MC: 1852
 Sealey JE: 3731
 Seavey BK: 3897
 Sedel L: 3732
 Sedová A: 3733
 Sedova EV: 3734
 Sedrakian RL: 2180
 Seiber S: 3735
 Seedat YK: 3736
 Seeger A: 76
 Seeger K: 3737
 Seeliger H: 3738
 Seemayer TA: 1027
 Seetharam B: 3642
 Seftel HC: 1035
 Segard E: 3739

AUTHOR INDEX

Segal M: 408
 Segal SJ: 3126
 Segawa T: 2999
 Seglen PO: 3740
 Segre EJ: 3082
 Segre GV: 3741
 Sehirli I: 2253
 Selbel MJ: 2848
 Selbel S: 1228
 Seidel A: 3742
 Selfert J: 3743
 Selfert W: 3744
 Seifulla RD: 3766-3768, 3767-3768, 4648
 Selger A: 3059
 Selguer AC: 2664
 Selim K: 3696
 Seitz HJ: 1925
 Seitz LM: 3745
 Sekeles E: 3746
 Sekeris CE: 425
 Sekhon GS: 3460
 Sekl K: 3747
 Sekl M: 3747
 Sekino H: 3612
 Sekiya S: 3748
 Selden RF: 2907
 Sele V: 2367
 Seligman BR: 3749
 Seliverstova LA: 3750
 Selivonenko VG: 3751-3752, 3752
 Sellakumar A: 4018
 Sellinger OZ: 3654
 Sells BH: 627
 Sellyei M: 3753
 Selstam U: 2092
 Semenov VF: 422
 Semeshina TM: 3754
 Semonský M: 3435
 Semprini A: 4132
 Senac JP: 2343
 Senatorova TA: 3928
 Senciall IR: 997
 Sengupta D: 3755
 Senior B: 3756
 Senior BE: 3757
 Senn HJ: 3758
 Sennett JA: 3759
 Sensenbrenner JA: 3760-3763
 Sensing H: 3764
 Sentein P: 1373
 Senterre J: 2347
 Seppälä M: 3765
 Serafimovich NN: 705
 Serafińska D: 528
 Serber M: 1340
 Sere A: 1255
 Serebrovskaya IA: 183
 Serena D: 2359
 Sergeev PV: 3766-3768, 3767-3768
 Sergeant JS: 3769
 Serisawa K: 114
 Sernka TJ: 3770
 Serova LI: 2943
 Serra G: 3771
 Serra Mercader JM: 3772
 Serrano-Rios M: 3773
 Serumaga J: 3774
 Servant A: 2859
 Seshadri R: 3025
 Setchell KD: 3775
 Seth PK: 3892
 Setkowsky CA: 1852
 Seto H: 3776-3777
 Settergren I: 1149
 Sevall JS: 3778
 Sevast'yanova AS: 2449
 Sevaux D: 3192
 Sever PS: 596
 Severin ES: 3779
 Severn BJ: 2338
 Sewell DL: 3780
 Sewell RD: 3781
 Sfakianakis GN: 3782
 Sfountouris J: 2246
 Sforclna D: 3137
 Shaar CJ: 752
 Shabalov NP: 3783
 Shack WJ: 2362
 Shade JT: 4651
 Shade RE: 3784

Shafer RB: 3785
 Shaff RE: 2084
 Shaffer D: 3786
 Shafrir E: 1001
 Shahmanesh M: 3787
 Shain SA: 3788-3789
 Shakhovtsev ED: 3790
 Shallapina VG: 3791
 Shall S: 3792
 Shamos MH: 2467
 Shanbaky NM: 3793
 Shanbour LL: 459
 Shand DG: 3794
 Shanfeld J: 3795
 Shani J: 241
 Shannon IL: 3796
 Shannon MP: 2110
 Shapiro AP: 2405
 Shapiro BH: 2391, 3512, 3797
 Shapiro I: 3795
 Shapiro IM: 3798
 Shapiro JR: 3799
 Shapiro S: 3800
 Sharard A: 3801
 Share L: 3256
 Sharifi Hossaini KH: 4181
 Sharma NL: 4155
 Sharma OK: 3802
 Sharma S: 1793
 Sharma VD: 3803
 Sharp GW: 3804
 Sharp PJ: 3805
 Sharpe RM: 3787
 Shashkov VS: 3806
 Shaw DB: 1827
 Shaw JE: 3807
 Shaw JL: 1244, 3808
 Shaw RW: 3809
 Shaw WH: 2714
 Shcherbakova IA: 1438
 Shcherbatuk DI: 3810
 Shcherbin LA: 3636
 Shea PA: 3936
 Shearman DJ: 1307
 Shearman RP: 2232, 2585, 3811
 Sheinkopf JA: 1799
 Shekhtman MM: 3812
 Shelburne JD: 4503
 Shelf WD: 4658
 Shellam GR: 3813
 Shelton JR: 1893
 Shelygina NM: 3814
 Shemesh M: 3815-3816, 3816
 Shen L: 3817
 Shen MW: 2110
 Shen F-H: 3817
 Sheng HP: 3818
 Shenker L: 393
 Shenkman L: 412
 Shepherd RE: 3819
 Shepro D: 3820
 Sheps SG: 1915
 Sherer YD: 930
 Sherlock S: 1507, 3821
 Sherman L: 920
 Sherrard DJ: 3817
 Shershnev VN: 3843
 Sherwood LM: 3688, 4503
 Sheth AR: 4166
 Sheth NA: 2158
 Shevchuk IA: 3822-3823
 Shibata S: 3363
 Shibuya M: 1802
 Shigiya R: 1934
 Shih YH: 753
 Shima K: 3824
 Shimabukuro H: 2864
 Shimamoto T: 3825
 Shimamura T: 3263-3264, 3264
 Shimanovskaya KB: 3826
 Shimizu H: 4463
 Shimizu N: 3827
 Shimizu T: 3828-3829
 Shinkawa Y: 1355
 Shino NW: 4550
 Shinoara S: 3830
 Shinoara T: 2068
 Shinoda M: 3831
 Shiotani Y: 3832
 Shipulina IuA: 3116

Shirai M: 3833-3834
 Shirley I: 386
 Shirshova TN: 2669
 Shishiba Y: 3828
 Shishoo CJ: 983
 Shlvachev G: 2798
 Shivers CA: 1319, 3835
 Shizume K: 3836-3837
 Shlafer M: 3838
 Shlykov IP: 3839
 Shmutter ZB: 115, 3840
 Shoemaker WJ: 849
 Shofner OE: 3841
 Shojania AM: 3842
 Shooter EM: 4566
 Shorey CD: 1911
 Shorin IuP: 3843
 Short J: 181, 3844
 Shortman K: 3845
 Shoulson I: 3846
 Shows TB: 3847
 Shrago E: 2645
 Shropshire AT: 250
 Shropshire W Jr: 3848
 Shryne JE: 4140
 Shubik P: 3193, 4018
 Shukla SK: 2823
 Shukry AS: 3849
 Shulkes AA: 3850
 Shulte-Wissermann H: 3851
 Shum WK: 857
 Shuplov IV: 2669
 Shurin PA: 3852
 Shurrager PS: 1440
 Shuster S: 792, 1815, 4178
 Shustov Via: 3853
 Shutt DA: 2232, 2585, 3811
 Sibaja RA: 3854
 Sibatani A: 4578
 Sicard RE: 3855
 Sicuteri F: 3856
 Sidky Y: 662
 Sidky YA: 3857
 Sidler J: 102
 Sidorova VF: 3858
 Sieberth R: 538
 Siegel G: 2744
 Siegel HI: 3859-3860
 Siegel HS: 1130
 Siegel J: 3861
 Siegel RR: 263
 Siegenthaler W: 270
 Siegert R: 3231
 Siekmann L: 1874
 Sieradzki J: 3862, 4107
 Siersbaek-Nielsen K: 1690, 2179, 2491
 Slest G: 3863-3864, 3864
 Sigel A: 1788
 Siggers DC: 2139, 2471, 3551, 3865-3870
 Siggins GR: 408
 Signoret JP: 3871
 Sigström L: 1665
 Silber D: 4587
 Silber-Kasprzak D: 4021
 Silberberg R: 3872-3873
 Silhán J: 3874
 Silva JE: 2050
 Silva MR: 219
 Silva OL: 3875
 Silva P: 1178
 Silver M: 409-410
 Silver MJ: 3935
 Silver TS: 955
 Silverman JA: 2876
 Silverman ME: 4225
 Silvestrini F: 718, 2897
 Sil'vestrov VS: 3876
 Simeonov L: 3389
 Simeonova E: 3389
 Similä S: 2913
 Siminovitch L: 2526
 Simionescu L: 3877
 Simko J: 3878
 Simmons DJ: 3880
 Simmons RL: 2541, 4115, 4208
 Simon A: 567
 Simon C: 882
 Simon KH: 3881
 Simon LN: 727
 Simon ML: 1564, 3882

AUTHOR INDEX

Simonetos G: 101
 Simonson LP: 3883
 Simpson LJ: 2528
 Simpson JS: 295
 Simpson LL: 3884
 Simpson RD: 3885
 Simpson PA: 337
 Sims C: 3144
 Sinanan K: 3886
 Sinclair AJ: 3887
 Singal DP: 3888
 Singer B: 2012
 Singer C: 3889
 Singer G: 3609
 Singer I: 818
 Singh DV: 1486
 Singh EJ: 3890-3891
 Singh H: 1390
 Singh J: 3892-3893
 Singh JN: 3894
 Singh KB: 3895
 Singh M: 3896
 Singh RK: 4155
 Singh RN: 3897
 Singhal RL: 4085, 4259
 Sinha D: 769
 Sinha R: 1107
 Sinha SN: 2888
 Sinning WE: 3898
 Sinsheimer JE: 3899
 Sinterhauf K: 3900
 Siota T: 4429
 Slopes TD: 3901
 Sippell G: 3902
 Sirek AM: 2248
 Siripoonya P: 3308
 Stromaškova M: 3903
 Strsl M: 2675
 Sitaramam V: 3904
 Siu J: 911
 Sivakumaran T: 3905
 Sivayathorn A: 3236
 Siverstone AE: 2305
 Sizlakina LP: 1620
 Sizonenko PC: 118
 Sjöberg NO: 1408
 Sjöstrand NO: 2195
 Sjövall J: 886, 3775
 Skála I: 3906
 Skala JP: 2198, 3907
 Skånberg I: 418
 Skibba JL: 258
 Skillman TG: 3782
 Skinner JD: 3908
 Skinner SL: 400, 4557
 Skolnick P: 3909
 Skopková J: 3708
 Skov F: 3728
 Skovsted L: 1690
 Skriabin GK: 3910
 Skulachev VP: 230
 Skvarenina A: 4030
 Slade MS: 2622
 Sládek M: 3911
 Sladowski W: 3085
 Slaga TJ: 3912
 Slanina P: 1683, 3913
 Slater GS: 3914
 Slater J: 1803
 Slaton PE: 3759
 Slaud JR: 152
 Slaunwhite WD: 3915
 Slavik V: 1110
 Slavnov VN: 1139-1140, 3916-3917
 Slegers JF: 1693
 Sligar SG: 1624
 Sliwinski A: 4579
 Sloan JM: 3918
 Slob AK: 3919-3920, 3920
 Slobodian MM: 307
 Sloman G: 4595
 Slotkin TA: 3921
 Sluiter HJ: 3922
 Sluyser M: 3923-3924
 Sly WS: 3925
 Smalstig EB: 752
 Smelianskaia GN: 730
 Smid I: 448
 Smidt D: 3926
 Smigiel MR: 3927

Smirnov AN: 3928
 Smirnov EA: 3929
 Smirnova EA: 3353
 Smirnova OV: 3928
 Smith AP: 3930
 Smith AR: 3225
 Smith B: 168
 Smith BR: 21, 1670, 4186
 Smith BT: 4226
 Smith BW: 3931
 Smith C: 1847, 3617
 Smith CG: 3932
 Smith DA: 2146
 Smith DC: 3933
 Smith DM: 313
 Smith DW: 1666, 2025
 Smith GC: 2066
 Smith GH: 1392, 3934
 Smith ID: 2232, 2585
 Smith IE: 713
 Smith JA: 2106
 Smith JB: 3935
 Smith JE: 3936
 Smith JF: 3216
 Smith JL: 1499, 3087
 Smith JM: 3937
 Smith KW: 2904
 Smith LD: 3432
 Smith MS: 3938, 4000
 Smith P: 810, 3939
 Smith R: 1369
 Smith RG: 2296
 Smith SE: 3445
 Smith WG: 3940
 Smolik R: 515
 Smuckler EA: 3912
 Smutz ER: 3941
 Smyrnis SA: 3942
 Smyth CJ: 3943
 Smythe GA: 3944
 Snafir N: 3480
 Snart RS: 335
 Snider DE Jr: 3945
 Snider RH: 3875
 Snimanovskaia KB: 110
 Snoddy HD: 1362
 Snoddy HD: 1363
 Snopkova LV: 3946
 Snow HM: 2086
 Snyder DA: 3947
 Snyder JJ: 3948
 Snyder MD: 3949
 Snyder SH: 1033
 Soares JR: 3950
 Sobhy C: 3951
 Sobieszczek S: 1073
 Sobis H: 4326
 Sobolev AS: 3952
 Sode JE: 2660
 Soderling TR: 796
 Soderwall AL: 3184
 Sodoyez JC: 3953
 Sodoyez-Goffaux F: 3953
 Sofia RD: 3954
 Sofowora EA: 3955
 Sofsky J: 3613
 Sojl T: 4606
 Sokal JE: 151
 Sokół-Kobielska E: 1414, 3085
 Sokole EB: 3956
 Sokolov IaA: 3957
 Sokolov IaA: 2698
 Sokolova MM: 3958
 Sokolova RI: 3959
 Solbach HG: 2193
 Solem JH: 3739
 Solez K: 172
 Solo AJ: 3915
 Soloff MS: 3960
 Solomon B: 3729
 Solomon DH: 3074
 Solomon LM: 3444
 Solomon RB: 3749
 Solomon S: 4024
 Solomon SA: 2609
 Solov'ev GS: 1092
 Soloway RD: 4250
 Soma T: 1943
 Someda De Marco I: 3961
 Somes RG jr: 3962

Sondergaard J: 4419
 Sones PJ: 3963
 Sonnenschein C: 1329
 Sonntag H: 3964
 Sonoda K: 3830
 Soo-Hwa-Yeoh: 3965
 Sopata I: 4585
 Sopena Monforte R: 1015
 Sordahl LA: 3966
 Sorensen OH: 4240
 Soria J: 4633-4634
 Sostre S: 3967
 Soulas D: 885
 Sourkes TL: 2341
 Sousa PL: 3968
 Southren AL: 1522
 Soyka LF: 1638
 Spach C: 3967
 Spaeth GL: 3969
 Spano PF: 761
 Spanos HS: 3942
 Sparer G: 3043
 Spark RF: 3970
 Sparks JC: 4083
 Spasov S: 1434
 Spath, JA: 3971
 Spector HB: 3993
 Spector R: 3972
 Speed RM: 2020
 Speer VC: 2459
 Speight TM: 508
 Spellacy WN: 3973
 Spencer CA: 1868
 Spencer FC: 4485
 Spencer PS: 3781
 Speranskaja NV: 1438
 Speranskaja TV: 3974
 Speranskii VV: 3975
 Sperelakis N: 3691
 Sperow JW: 4599
 Spiegel AM: 153
 Spielman WS: 2016
 Spiesel SA: 2204
 Spindler BJ: 3976
 Spira O: 1521
 Spira PJ: 4496
 Spirer Z: 3977
 Spiridonova ZI: 3615
 Spitz I: 284, 3716
 Spitzer N: 1058
 Spitznagle LA: 1173
 Spivak RIA: 3814
 Spona J: 3978
 Spranger JW: 3979, 4386
 Springberg PD: 296
 Spryskova NA: 347
 Squire PG: 3980
 Sramka M: 2916, 3981
 Srebro Z: 3982
 Sreenan JM: 3983
 Srikantiah MV: 3642
 Srikantia SG: 3984
 Srivastava AK: 2761
 Srivastava LM: 3985
 Srivastava U: 3986-3987
 Staab E: 1847
 Stachowski A: 3988
 Stachura M: 127
 Stachura ME: 3989
 Stacy BD: 3990
 Staehler G: 3991
 Staemmler HJ: 3992
 Staemmler H-J: 2134
 Stafford CR: 3993
 Stagg RJ: 4183
 Stahl F: 1061
 Stahl PD: 3925
 Staib W: 425-426, 1365, 1795, 3728
 Stainier H: 3451
 Stambaugh R: 2729
 Stambrook PJ: 3560
 Stamford IF: 295
 Stamm H: 3994
 Stamps JA: 3995
 Stan S: 3996
 Stanbury SW: 2749
 Stancer HC: 1401
 Stancheva M: 1434
 Stancic M: 3997
 Stanier MW: 1309

AUTHOR INDEX

Stanisic M: 3998
Stanislowski AG: 807
Staniszewska-Borkowska J: 3999
Stankusheva T: 4257-4258
Stanton JH: 4000
Staple TM: 4001
Staple TW: 929
Starinski VV: 2180
Stark E: 4002
Starka L: 1684, 3339
Starkova NT: 2699
Starman BJ: 1777
Starr BG: 1743, 4284
Staszewska-Barczak J: 1780
Statham C: 1071
Staub JJ: 1432, 4666
Staub JJ: 4003
Staudinger H: 1506
Staughton RC: 4004
Staurovsky LG: 1024
Steben RE: 943
Stechmiller BK: 3664
Steel E: 4005
Steele A: 3028
Steele PA: 4006
Steele SJ: 1327, 4058
Steer ML: 4007
Stefanescu DT: 1088
Steffek AJ: 1771
Steffens H: 1836
Steffes MW: 4008
Stegink LD: 4009
Stegnar P: 584
Stehliková J: 1418
Stehliková J: 1273, 4010, 4130
Steigerwald JC: 3943
Stein D: 1228
Stein G: 1239
Stein JH: 4011
Steinbeck H: 2967
Steinberg AD: 3859
Steinberg H: 4012
Steinberg MI: 1842
Steinberg RA: 4013-4014
Steinberger RM: 4015
Steiner AL: 3066, 4016
Steiner P: 3371
Steinert G: 468
Steinert BG: 4017
Steingruber C: 4641
Steinhart R: 477
Steinmetz J: 3863
Stelmasiak T: 536
Stenbäck F: 4018
Stepahn T: 892
Stépan J: 4019
Stepanova II: 2948
Stephan T: 3038
Stephens DN: 4020
Stępień-Dobrowolska M: 4021
Stepnińska E: 2946
Sterba ML: 2274
Stere GN: 1068
Sterky G: 4022
Sterling FH: 3575, 4023
Stern JM: 1183
Stern L: 814
Stern MD: 4024
Sternlieb I: 4025
Stevenaert A: 974
Stevens BJ: 889
Stevens ED: 1647
Stevens FC: 4449
Stevens J: 4026
Stevens JD: 807
Stevens YW: 4028
Stevenson R: 4027
Stevenson RD: 4028
Stevenson W: 4562
Stevenson WS: 2351
Stewart BR: 4029
Stewart J: 4030
Stewart JC: 4031
Stewart RD: 21, 4032
Stewart RJ: 4033
Steyer M: 1365
Stillman JS: 734
Stinnakre J: 2317-2318
Stirnmann H: 2690
Stitch SR: 2775

Stjernholm MR: 62
Stoa KF: 1300, 4034
Stock AD: 4035
Stock JM: 4036
Stock K: 4037
Stoeckart R: 4038
Stöger H: 1920
Stögmann W: 4039
Stoichiță-Papilian M: 4040
Stojčevski T: 4041
Stoka A: 4042
Stokes GS: 3020-3023, 4472
Stole V: 4043
Stolkowski J: 4044
Stoll C: 2454
Stolla R: 3655
Stölzner W: 4045
Stone RA: 2481
Stone SC: 4046
Stonogin VD: 2669
Storey E: 4047
Stork G: 4048
Storkan MA: 2482
Stormorken H: 1479
Stortl E: 4049
Story DF: 535
Stoughton RB: 1080
Stover CS: 1332
Stowe NW: 3066, 4016
Strandberg K: 1676
Strang F: 1083
Strangfeld D: 1011
Strashimirov D: 3125
Stratone A: 1728
Stratton D: 12
Straub E: 3851
Straube W: 1835
Strauch G: 2081
Strauer BE: 2966, 4050-4051
Straus FH: 1433, 4348
Strauss HW: 3967
Středa A: 4019
Streeten DH: 4052
Streeten DHP: 4053
Streiff F: 1456
Strel'tsova NA: 3633, 4054-4055
Stremple JF: 4056
Strěbrná J: 3708
Strickland JE: 1316
Strickler RC: 4057
Stringer J: 4058
Strobele B: 4059
Ströder J: 3668
Strong DM: 3659
Strong SJ: 3943
Strosberg AD: 4355
Stroufová A: 1890, 3310
Stroupe SD: 4060
Strunk K: 2073
Strunnikov V: 4061
Strunz U: 4062
Struyker Boudier HA: 4063
Stuart MJ: 4064
Stubbe P: 4065
Stuckl JW: 2046
Studer H: 2226
Studer RO: 2307
Stumpf WE: 3960
Sturdee AP: 776
Sturgill TW: 2638-2639
Sturkie PA: 1596
Sturtridge WC: 4066
Su CA: 2836
Su YF: 743, 3205
Subotić R: 1633
Subryan VL: 3292
Suc JM: 4067-4068
Suda M: 1735
Suddick RP: 3796
Sugarman GI: 4069
Sugata Y: 2998
Sugawara C: 4070
Sugawara N: 4070
Sugimori M: 3071
Sugimoto B: 3218
Sugimura T: 2824, 4127
Sugiura H: 4071
Sugiura Y: 4072
Sugiyama H: 3612
Sugrue DL: 2875

Suhara K: 4124
Suhara Y: 2721
Suk V: 4073
Sukhopol'skaya LV: 4074
Sula F: 3874
Sulman FG: 241, 1351
Sulser F: 413
Sumida C: 4075
Sumikawa K: 4076
Summerly R: 463
Summers JD: 1553
Summers VK: 917, 4077
Sundaram K: 2640, 4079
Sundberg DK: 4080
Sunder JH: 892
Sunderman FW Jr: 4081
Sundqvist KG: 1662
Surleve-Bazeille JE: 1032
Suschetet M: 4082
Susic D: 4083
Susta: 4019
Sutherland DE: 4008
Sutherland EW: 1822-1823, 3166
Sutherland JB: 2439
Sutherland DJB: 4085
Sutou S: 4086
Sutton D: 4087
Sutton JD: 4088
Sutton PM: 3454
Suvattee A: 109
Suyemitsu T: 4089
Suzuki H: 4090
Suzuki J: 3047
Suzuki K: 1951
Suzuki S: 4091
Suzuki T: 4092
Suzuki Y: 2862
Svanberg L: 4093
Svanosio M: 2726
Svenberg T: 1133
Svensson J: 1676, 2661, 2993
Svensson L: 384
Sviatellik GV: 1139
Svoboda M: 980
Swain JA: 4353
Swain M: 534
Swan CH: 791
Swanson EW: 2805
Swapp GH: 4094
Sweeney G: 3187
Sweeney T: 122
Sweet RA: 2582
Sweetman BJ: 890
Swenson I: 4095
Swenson RP: 4359
Swenson RS: 51
Swierczek J: 4096
Swierczyński J: 4097
Swislocki NI: 2785, 4098
Sykes HB: 3980
Syme G: 2447
Symonds HW: 185
Symonds M: 4099
Symons BM: 4100
Sypniewska M: 3988
Szabadi E: 342, 469
Szabo AJ: 4101
Szabó D: 4002
Szabo O: 4101
Szabo S: 1402, 4102
Szalay KS: 4002
Szappanyos G: 3451
Szaz KF: 668
Szczepanik Z: 2041
Szczepanska-Sadowska E: 4103
Szczypiński J: 4104
Szekeres L: 1311
Szent-Györgyi A: 4105
Szerezewski A: 3188
Szilagyi PA: 2573
Szirmai E: 3982
Szklař E: 4021
Szoltys M: 3014
Szreterowa M: 4106
Szybiński Z: 3862, 4107
Szymańska M: 1840
Szymańska-Kowalska M: 4108
Szymański W: 4109
Szymendera J: 2041

AUTHOR INDEX

T

- Taaffe A: 4110
Taaffe WP: 4111
Tabachnik BI: 683, 3261
Tabata M: 4112
Tabel T: 4113
Taber P: 1337
Tachi C: 4114
Tachi S: 4114
Tada M: 2105
Taddel C: 3432
Tagatz GE: 4115
Taher S: 2604
Tahy A: 4116
Tait JF: 1544
Tait SA: 1544
Talushev KG: 4117
Takács I: 448
Takagi M: 4118-4119
Takagi Y: 3631
Takahashi H: 2918
Takahashi K: 4120
Takahashi M: 3069
Takaku A: 1357
Takakura K: 3829
Takakuwa E: 4216
Takamizawa H: 3748
Takaori S: 4121
Takasaki Y: 4606
Takashima I: 4122
Takasugi Y: 1704
Takayama H: 1943
Takebe K: 3589
Takeda M: 3068
Takeda T: 4123
Takemori S: 4124
Takemoto DJ: 53-54, 4125
Takemoto T: 4128-4127
Takeuchi S: 4119
Takeuchi T: 4127
Takewaki K: 4128-4129
Talaš: 1418
Talaš M: 1273, 1639, 4010, 4130
Talbot AC: 4131
Tallarida G: 4132
Talle K: 1312
Talner B: 764
Talwalkar RT: 2241
Talwar GP: 3985
Tam KH: 3478
Tam PY: 2362
Tamachi H: 1704
Tamaoki B: 3015
Tamayo R: 4296
Tamir I: 640
Tamura T: 4112
Tan EL: 4133
Tan LP: 4134
Tan ST: 2359
Tanaka K: 3223, 4135
Tanaka M: 13
Tanaka T: 1735, 2104
Tanaka Y: 3044
Tandhanand S: 4342
Tandon SK: 3892
Tang CK: 4136
Tang JT: 138
Tanhata S: 3830
Tanigawa H: 4137
Taniguchi N: 4216
Tanimoto-Weki M: 4138
Tankó A: 1238
Tanneberger S: 1748
Tanner A: 1789
Tao M: 1898
Taran AI: 4139
Tarar R: 49
Tarasov NF: 2449
Tarazi RC: 484
Tarnow J: 526, 3165
Tarnowski W: 1925
Tartara A: 1230
Tartteln MF: 4140
Tasá C: 1391, 4141-4142, 4655
Tashjian AH Jr: 405, 2847
Tasso F: 4143
Tassoni P: 589, 737
Tatarinov YS: 4144
Tatarinov IuS: 4145
Tateishi T: 3824
Tatevossian A: 4146
Tatler GL: 2855
Tatoñ J: 4147
Tattoni DS: 3565
Tauti H: 4148
Taveras JE: 3134
Taylor B: 4149
Taylor CM: 2749
Taylor JL: 516
Taylor MW: 1245
Taylor RE: 413
Taymor ML: 313
Tcherdakoff P: 4150
Tchernitchin A: 4151
Tchernitchin X: 4151
Tchertkoff V: 4152
Tea NT: 690
Tecilazich D: 4153
Tejavej A: 3308
Tejerina M: 938
Teller WM: 1860, 2283
Tellez-Iñón MT: 4229
Temtamy SA: 4154
Tendler MD: 1523
Teo TS: 4449
Teotia M: 4155
Teotia SP: 4155
ter Haar MB: 1055-1056
Terasaki WL: 112, 4156
Terasawa E: 2117
Teraura T: 4157
Terayama H: 4089
Terenzi HF: 4229
Terheggen HG: 4158
Terjung RL: 4553
Terlou M: 4159
Terragno DA: 4160
Terragno NA: 4160
Terranova PF: 4161
Terrell TG: 1771
Terry PM: 4162
Tesanovic M: 2849
Teschler M: 4163
Teshima Y: 2062
Tessler HH: 4164
Testart J: 3629
Tews JK: 4165
Tha SJ: 816
Thadepalli H: 1520
Thakur AN: 4166
Thakur DP: 4167
Thaler H: 4168-4169
Thananopavarn C: 3601
Thapliyal JP: 4170
Theil GB: 37
Thelmo W: 523
Thenen SW: 4171
Theoharides TC: 4172
Theopold HM: 4173
Theron CN: 4174
Thiele J: 3091, 3449, 4175
Thiele S: 1423
Thielecke G: 1539
Thijssen JH: 3285, 4176, 4338
Thind GS: 4177
Thiongane AI: 970
Thody AJ: 792, 1815, 4178
Thoenen H: 3093-3094
Thomas CG: 544
Thomas GH: 3563
Thomas J: 4179
Thomas JA: 1970, 4180-4181
Thomas JP: 3019
Thomas MR: 594
Thomas P: 4182
Thomas PC: 1829
Thomas PJ: 222, 1469
Thomas PW: 599
Thomas R: 3228
Thomas RS: 4539
Thomas T: 4037
Thomasson B: 939
Thompson CD: 4183
Thompson EA: 178
Thompson FN: 4184, 4562
Thompson GR: 4489
Thompson JW: 2782
Thompson NW: 70
Thompson RS: 313
Thompson S: 3912
Thompson SY: 4185
Thomson JA: 4186
Thomson JM: 1327
Thorburn GD: 681, 3990
Thorn NA: 2899
Thorne N: 59
Thornell IR: 4472
Thorner MO: 1199
Thorner MW: 2519
Thorneycroft IH: 2818
Thorogood M: 2671
Thorsen T: 4187
Thouvez JP: 2333
Thrower S: 4188
Thulesius O: 420, 4189
Thurlbeck WM: 4190
Tichý M: 1903
Tidd MJ: 1893, 2162
Tiddens H: 3320
Tidmarsh J: 4324
Tiepolo L: 4191
Tierney J: 4098
Tillikainen A: 939
Tikhonov VA: 4192
Tilders FJ: 4193
Tilghman S: 199
Tilina TK: 3265
Tillack TW: 2586
Timmermans HA: 2346
Timmermans J: 2432-2433
Timor-Tritsch I: 3113
Timoshenko LV: 4194
Tindall VR: 1409
Tipton KF: 4277
Tirard A: 3513
Tiscornia O: 4195
Tisher CC: 4196
Tissari AH: 4197
Titova GN: 4198
Tiulenev VI: 307
Tixler-Vidal A: 4199
Tjälve H: 1683, 3913
Tkachev AV: 4623
Tkacheva GA: 4200
Tkocz HJ: 3683
Tobe SS: 4201
Tobey RA: 1630-1631
Tobian L: 4202
Tobias L: 4203
Tobias R: 3459
Tobler JE: 4204
Tobon H: 4205
Toft DO: 2887
Toh BH: 4183
Tojo S: 2932
Tokarev NYU: 87
Tokarnis CH: 879
Tokumaru T: 4206
Tokunaga K: 3824
Tokuoka R: 3041
Tol VA: 4207
Tolbert ME: 1210
Toledo-Pereyra LH: 4208-4209
Tolkachev VN: 3352
Tolkunov IuA: 1547
Tollefsen DM: 4210
Tolloczko T: 4211
Toloknov BO: 4144-4145
Toma V: 4212
Tomas T: 4213
Tomasl V: 4214
Tomasz J: 4215
Tomblin W: 3468
Tomescu E: 4142
Tomita K: 3041
Tomita T: 4216
Tomkins AM: 4217
Tomkins GM: 458, 4013-4014
Tomlin HL: 4218
Tomlinson E: 4219
Tomoda Y: 4220
Tonami N: 2862
Tong TG: 3934
Tong W: 4221
Tonge SR: 1574-1575, 2038, 4222-4223
Tonna EA: 4224
Tonta A: 4376
Toole JC: 4225

AUTHOR INDEX

Topps JH: 1306, 4248
Torda T: 2321
Torday JS: 4226
Torgyán S: 4227
Torizuka K: 1943
Torp-Pedersen C: 2899
Torrededla J: 946
Torres CA: 4228
Torres HN: 4229
Torres J: 4296
Torresani T: 323
Totania R: 2211
Toth IG: 4230
Toth JM: 2425
Totrova EA: 3325
Totsuka A: 2901
Toty L: 152
Toublanc JE: 4231
Tougaard C: 4199
Toulouá M: 1109
Touraine F: 4232
Touraine JL: 327, 2482, 2541, 4232
Tournneur R: 2437
Toursel F: 4233
Tourey C: 4234
Tovell HM: 3467
Tovey E: 4324
Tovi M: 1369
Töwe J: 1526
Towner JW: 583
Townley RR: 889
Toyama K: 2068
Toyama Y: 4235
Traber J: 1621, 4236
Traeden JB: 2073
Traeger J: 325
Träger L: 2691
Träger tl: 338
Tragl KH: 4237-4238
Trainin N: 4239
Traissac L: 3489
Transbol I: 4240
Trantalis J: 82
Trapeznikov NN: 4241
Trapeznikova MF: 2091
Trautwein W: 4242-4243
Tredger JM: 2028
Tree M: 3163
Tregear GW: 1647, 3741
Trelinski M: 596
Tremann JA: 1420, 4244
Trensz F: 3367
Trentini GP: 4245
Tres LL: 2163
Trevisani A: 4471
Trias A: 4246
Tricoche R: 560
Tridon P: 3864, 4247
Trieb H: 3738
Triezenberg HJ: 4407
Trigg TE: 4248
Tripathi O: 4243
Triplett JC: 4249
Trippstad A: 161
Trnka V: 187
Troen P: 3088, 4113
Trofimov GA: 2249
Trofimova LIA: 2371
Trostle PK: 2763
Trotman BW: 4250
Trouillas P: 4251
Trowill J: 745
Trueheart PA: 3804
Truison M: 4252
Truupyl'd TP: 4253
Trzebowska Z: 4585-4586
Trzeciak A: 2307
Tsafiriri A: 2476, 4254
Tsai KS: 555
Tsai WS: 4255
Tsals II: 4256
Tsanev A: 4257-4258
Tsang BK: 4085, 4259
Tsang RC: 4260
Tseng LF: 4261
Tsimmerman IaS: 4262
Tsomik VG: 3333
Tsoncheva AV: 4301
Tsuchiya M: 4263
Tsuchiya T: 4264

Tsujino G: 4265
Tsukada K: 3844
Tsukul T: 1697, 1964
Tsumori Y: 1960-1961
Tsuneki K: 4266
Tsung SH: 4267
Tsybullak GI: 4383
Tsyrllov IB: 4268
Tucci JR: 4620
Tuchmann-Duplessis H: 4269
Tuchweber B: 1402
Tuck M: 3601
Tucker PW: 807
Tudor R: 247
Tudor UF: 1068
Tugwell DR: 3252
Tuite J: 2599
Tulchinsky D: 4270
Tumba A: 4271
Tumilovich LG: 4272
Tunbridge WM: 1199
Tuohy JB: 740
Tuomisto J: 4273
Turakulov YK: 3594
Turakulov IaKh: 4274-4276
Turatti S: 2757
Türker RK: 1180
Turnbull AC: 667, 2132, 2820, 4006
Turner AJ: 4277
Turner BB: 889
Turner D: 2796
Turner GD: 2609
Turner JG: 4278
Turner P: 4279
Turner T: 4280
Turostowski F: 2821
Tusques J: 2410, 3304
Tutwiler GF: 4281-4282
Tvaroh F: 1660
Tyler FH: 2762, 3359
Tyrrell HF: 2633
Tyrrell JB: 4283
Tyrrell RN: 4284
Tyson JE: 4285

U

Uajima M: 4286
Uchimura H: 2920, 4287
Uchôa AV: 4288
Udry JR: 4289
Ueberberg H: 3738
Ueda T: 2634
Uehlinger E: 4290
Ueki A: 2170-2171
Ueki S: 4462
Uenishi K: 2062
Uher J: 1108
Uher M: 2716
Uhlich E: 4473
Uhhf M: 854
Ul M: 4286
Ullenbroek JT: 4291
Ukhina TV: 2094
Ulanova LN: 4292
Ullberg S: 1683
Uller RP: 2512
Ullmann NM: 2456
Ulmer WT: 4293
Ulrichová D: 1818
Umbach W: 453
Umer S: 2961
Umezawa H: 2901
Umiel T: 4239
Umo I: 4294
Umstot ES: 1478
Unsicker K: 4295
Urban J: 4585, 4587
Urbánek J: 1660
Urbanová J: 1109
Urdanivia E: 4296
Uren RF: 1223
Urianstad MK: 1312
Uriel J: 4297
Urowitz MB: 2212
Urry RL: 4298
Ursell W: 156
Ursing B: 4299
Urso FP: 4300

Urso MJ: 4300
Usardi MM: 658, 901
Usatenko MS: 4301
Uther JB: 2237
Utian W: 340
Utlger RD: 3575
Utsumi K: 4302
Uvarova EV: 2699

V

Vaccari A: 2745, 4303
Vácha J: 3743
Vácha K: 4304
Vachousek J: 4305
Vadas G: 2213
Vagenakis AG: 158-159
Vagnucci AH: 2405
Vahlquist A: 2987
Vahlquist B: 4306
Vallati A: 1257
Vaillant R: 4354
Vailland JC: 4307
Vaisfel'd IL: 4308
Valtunkaitis JL: 4309-4310
Vakharlovskif VG: 2222
Vakina IP: 3750
Valčev V: 3903
Valcháf J: 4311
Valcke J: 2859
Valcke JC: 2081, 2858
Valdazo A: 3489
Valdes-Dapena M: 4312
Valdez Rojas S: 170
Valdina EA: 4313
Vale W: 1556, 2507, 4314
Valešová M: 2508
Valirakhmanova TD: 4262
Valk IM: 4315
Valli M: 2779
Vambutas V: 4316
van Alphen GW: 4317
van Beurden WM: 4318-4319
van Blerkom J: 4320
Van Bogaert A: 417
van Bogaert LJ: 4321
Van Campen D: 1156
Vandalem JL: 2636
Van de Kamp JJ: 4322
van de Staak WJ: 2655
van de Wiel TW: 2836
Vande Wiele RL: 4458
van den Bemd AA: 4327-4328, 4328
Van den Bergh T: 1123
van den Hurk R: 4323
Vandenberg R: 4324
Vandenberg JG: 4325
Vandenhende J: 4151
Vandeputte M: 4326
van der Kemp JW: 790
van der Kroon PHW: 2031
van der Kuy A: 4327-4328, 4328
van der Meulen N: 425
van der Molen HJ: 790, 4318-4319, 4364
van der Schoot JB: 3956
van der Schoot P: 4329
Van Der Walt A: 3579
Van der Werff Ten Bosch JJ: 3920
van der Werft ten Bosch JJ: 4330
Vanderschueren-Lodeweyckx M: 3320
Vandesande F: 962
Vanduffel L: 4361
Vane FM: 4544
Vane JR: 4331
van Elmeren W: 1756
Van Elsen AF: 2433
Vanetti I: 1091
van Gemert M: 4332
van Ginneken JK: 4333
Van Herle AJ: 2512
van Heyningen WE: 2175
Van Horn DL: 2727
Vanushin BF: 1382
van Jaarsveld PP: 4174
Vanjonack WJ: 4334-4336, 4335-4337
van Kammen E: 4338
van Kauenberg Zhr: 1328
Van Look P: 2709
Van Look PF: 184, 4339

AUTHOR INDEX

Van Maanen EF: 2534
 Van Miller JP: 4340
 van Nagell JR Jr: 4341
 Vannasaeng S: 4342
 Van Ness MB: 2042
 van Nle R: 3923-3924
 Van Noorden S: 2032
 van Oordt PG: 1519, 2345, 4159, 4323, 4344
 Van Orden LS 3d: 169, 4180
 Van Pelt RW: 4343
 van Rree GE: 4344
 Van Sande J: 4345
 Van Thiel DH: 4346
 Van Wijngaarden CJ: 3719
 Van Wijngaarden GK: 232
 van Wimersma Greidanus TB: 4347
 Van Zijl J: 1773
 Vapaatalo H: 2913
 Varela G: 603
 Varga JM: 3174
 Vargas JR: 4046
 Variakojis D: 4348
 Varkarakis MJ: 3605, 4349
 Varma MM: 4350
 Varma RR: 4350
 Varnovitskiĭ EG: 4351
 Varon S: 3004
 Varonos D: 2587
 Vasiliev B: 4352
 Vasil'ev VN: 288
 Vasilion P: 1135
 Vass L: 3753
 Vassar HB: 3954
 Vatner SF: 4353
 Vaudry H: 4354
 Vaughan M: 3608
 Vaught WG: 3252
 Vauquelin G: 4355
 Vaysse J: 2331
 Veale WL: 3257
 Vecsel P: 1012
 Veje JO: 2073
 Vejsted H: 4356
 Vekemans M: 4357
 Velasco M: 3063
 Veleanu M: 4435
 Vélez-García E: 2559
 Velle W: 4358
 Veneziale CM: 4359
 Vennart J: 1563
 Venter HC: 4360
 Ventura R: 3078
 Venugopal B: 2564
 Ver Eecke T: 4361
 Verain A: 1373
 Verbeule V: 1728
 Verdarelli P: 1359
 Vergnes H: 4362
 Vergnes M: 4363
 Verine H: 4195
 Verjans HL: 4364
 Verkhatskiĭ NS: 1345
 Verma IC: 1628
 Verme G: 4365
 Vermeer BJ: 4366
 Vermeulen A: 773
 Vernant P: 655
 Vernigorova LA: 4367
 Vernof H: 4368
 Verrier B: 2517
 Verry M: 2333
 Verschoof KJ: 4369
 Vershinina VV: 4370
 Veselý K: 4371
 Vesin P: 653
 Vessely K: 1878
 Vessey MP: 2671, 4372
 Vester JW: 892
 Vetter U: 1448
 Vetter W: 270
 Vettorazzi G: 4373
 Vettore L: 4374
 Vetulani J: 4375
 Vezinhet A: 772
 Vickers CF: 59
 Victoria MS: 3371
 Vidal MT: 617
 Vidalon C: 3038
 Videla L: 1952
 Vidriero EL: 2731

Vigaš M: 2958
 Vignali M: 4376
 Vigneri J: 2044
 Vigneri R: 2944
 Vignon G: 811
 Vila Mengual M: 4377
 Viladiu P: 4378
 Vilari O: 4379
 Vilchez-Martinez JA: 822, 824, 2992, 4380-4381
 Vilchez Medina J: 3487
 Vilhardt H: 4382
 Villacorte G: 2582
 Villalobos H: 4633
 Villee CA: 239, 604, 3395
 Villee DB: 605
 Vincent J: 334
 Vincent JM: 334
 Vink A: 340
 Vinogradov VM: 4383
 Vinogradova LA: 3812
 Vinokurova NA: 4384
 Virkar K: 2231
 Virkki N: 4385
 Virkkunen P: 3765
 Virmaux N: 4499
 Virtanen M: 2977
 Viseskul C: 1826, 4386
 Visfeldt J: 1123
 Visser GH: 1166
 Visser HK: 1214
 Visser JL: 2836
 Visser JW: 4387
 Visser TJ: 4388
 Visser HKA: 2256
 Viswanathan CT: 3555
 Vivian S: 2326
 Vlachos JD: 3942
 Vlachos P: 101
 Vladimirov IuA: 3766
 Vladutiu AO: 4389
 Voelter W: 4390
 Vogel F: 4391
 Vogelgesang G: 1705
 Voglmayr JK: 4392
 Voigt HG: 2496
 Voigt KD: 1892
 Voigt KH: 2356, 3677
 Voigt W: 4393
 Voitsevich ND: 4394
 Vokaer A: 2834-2835
 Volfin P: 375
 Volk W: 432
 Volkova RI: 4395
 Volm M: 2740
 Voloshinov DB: 4396
 Volotovskii ID: 2225
 Volozhin AI: 3806
 Volozhinskala GIA: 4397
 Volpe A: 2708
 Volpé R: 4398
 Völter D: 4650
 Von Beck A: 4399
 Von Borcke S: 2705-2706
 Von Elbling L: 4400
 von Estorff I: 4509
 Von Gardó S: 4401
 Vongtama V: 3258
 von Herrath D: 3647
 Von Kahn K: 4402
 von Lawzewitsch I: 4403
 Von Reider E: 4404
 Von Scholz H: 4405
 Von Stöger H: 4406
 Vonvolgtlander PF: 4407
 von zur Hühlen A: 1790
 von zur Mühlen A: 4065, 4408
 Voogd CE: 2262
 Voorhees JJ: 4409
 Vormittag W: 4410
 Voronkov GS: 1345
 Vos J: 1443
 Vovk AN: 573
 Vreeburg JT: 4411
 Vreeswijk JH: 4412
 Vriend J: 4413
 Vries JA de: 4528
 Vrobel R: 4414
 Vrobel T: 1270, 2247, 4415
 Vroegindewey-Jie D: 3285
 Vučković I: 33

Vye MV: 4368
 Vygodner EB: 2223
 Vykouplí KF: 3091, 4416
 Vyrembovskala Ia: 1076

W

Wacinski ET: 4081
 Wada I: 3044
 Wada M: 4417
 Waddell WR: 4418
 Wade DR: 2269
 Wade WM: 2905
 Wadskov S: 4419
 Wagenbichler P: 4420
 Wagle SR: 4421
 Wagman H: 12
 Wagner B: 4422
 Wagner G: 4423
 Wagner KG: 1873
 Wahbi AM: 68
 Wahren B: 1133, 4424
 Wainwright SD: 4425
 Waisberg HA: 3003
 Waite BM: 1120
 Waites GM: 1134
 Waits VB: 682
 Wajchenberg BL: 3250
 Wajdowicz A: 4096
 Wajntal A: 1177
 Wakabayashi T: 3098, 4426
 Wakellin D: 4427
 Wakerley JB: 1071
 Walas-Skolicka E: 4428
 Walbaum R: 1483
 Walczak M: 4429
 Waldhäusal WK: 3259
 Waldmeyer PC: 4430
 Waldron RL 2d: 3312
 Walla HS: 2888
 Walker DG: 2909
 Walker DI: 3554
 Walker VK: 4431
 Walker WH: 1627
 Walker-Smith JA: 889
 Wall ME: 1452
 Wall NR: 883
 Wallace DC: 4432
 Wallace DM: 4433
 Wallace EF: 4434
 Wallace EZ: 4435
 Wallace JM: 4436
 Wallace S: 1502
 Wallace WE: 568
 Wallach DF: 362, 3685
 Wallach EE: 1006
 Wallach S: 4437
 Waller L: 4289
 Waller M: 4438
 Walling MW: 4439
 Wallner H: 829
 Walsch S: 933
 Walsh DA: 3121
 Walsh JC: 3811
 Walsh JH: 4440
 Walsh PC: 4441
 Walsh SW: 1010
 Walter JF: 70
 Walter RD: 4442
 Walters RA: 1630-1631
 Waltman SR: 610-611
 Walton J: 4443-4444
 Walton RJ: 4445
 Wan LS: 4446
 Wands KR: 4447
 Wang CM: 2934
 Wang CY: 4448
 Wang JH: 4449
 Wang N: 888
 Wang SC: 2516
 Wara DW: 4450
 Ward DN: 1973
 Ward JM: 1317
 Ward M: 3298
 Ward R: 3424
 Ward WR: 1045
 Wardlaw S: 4451
 Wardle EN: 4452
 Waring MJ: 4453

AUTHOR INDEX

Warner MR: 4454
 Warner RB: 4455
 Warner RL: 4454
 Warner W: 3544, 4456
 Warren GB: 4457
 Warren MP: 4458
 Warrenfeltz A: 4459
 Wasl P: 4342
 Wasner HK: 1823
 Wass JA: 3153
 Wasserman WJ: 4460
 Wassermann GF: 322
 Watanabe H: 4461
 Watanabe K: 1704
 Watanabe S: 4462
 Watanabe Y: 4463
 Waterman A: 4464
 Watkins WB: 4465
 Watson A: 3805
 Watson DL: 4466
 Watson J: 4467
 Watson JT: 3759
 Watson RA: 4468
 Watt DE: 4469
 Watts CH: 252
 Way EL: 1820
 Wayss K: 2740
 Weatherall JA: 1566
 Weathersbee PS: 4470
 Webb DR: 4594
 Weber G: 3726, 4471
 Weber HP: 1201
 Weber M: 3864
 Weber MA: 4472
 Weber P: 4473
 Weber R: 2182
 Webster JR: 548
 Webster WA: 639
 Weckesser EC: 1907
 Weed JA: 2762
 Weeke J: 4474
 Weeks JR: 2810
 Weems CW: 3226
 Weer P: 394
 Wehnert J: 4475
 Wehrli PA: 2793
 Weidmann P: 4476-4478
 Weightman D: 1299
 Weil C: 494
 Weilschen R: 4479
 Weimar VL: 4480
 Wein EH: 40
 Weinberger MH: 4481
 Weiner H: 2107
 Weiner N: 847
 Weiner WJ: 4482
 Weinfeld N: 1730
 Weinraub Z: 640
 Weinstein Y: 458
 Weinstock SM: 4483
 Weintraub BD: 2245
 Weisberg LA: 4484
 Weisburger JH: 3394
 Weisinger B: 4485
 Weiss B: 4486
 Weiss BF: 4487
 Weiss G: 2344
 Weiss GB: 4488
 Weiss HJ: 1852
 Weiss HS: 1770
 Weiss JJ: 4489
 Weiss RB: 4490
 Weiss RM: 502
 Weiss SR: 2443
 Weiss V: 3451
 Weissbach L: 1932, 4491
 Weisshaar D: 4492
 Weissmann G: 1833
 Weisweller P: 4493
 Weksler M: 2527
 Welbourne TC: 4494
 Welch JP: 4495
 Welch KM: 4496
 Welch MJ: 1720
 Welch RA: 3215
 Welch WJ: 2241
 Wellby ML: 2074
 Wellens D: 417
 Weller M: 4497-4501, 4499
 Welling P: 4500

Wellington JL: 1992
 Wellmann KF: 4501
 Wells AL: 3473
 Wells J: 3063
 Wells JN: 4502
 Wells MJ: 4531
 Wells SA Jr: 4503
 Welsch CW: 4504
 Welshons WJ: 4505
 Weltman AS: 4506
 Welvaart K: 2823
 Wendel RG: 804
 Weninger M: 4410
 Wenke M: 1927
 Wenkoff MS: 4507
 Wennmalm A: 2048
 Wensley RT: 430
 Wentworth BC: 2723
 Wenzel DG: 3400
 Werch SC: 4508
 Wergedal JE: 2678, 3817
 Werkö L: 3611
 Werley HH: 3407
 Werner C: 291
 Werner RS: 3250
 Werner SC: 4509
 Werning C: 4510
 Werringloer J: 1581, 4511
 Wesch H: 432
 Wesener K: 1932
 West SC: 2762
 Westin GW: 1848
 Westley BR: 4512
 Westlin NE: 2985
 Weston BJ: 4513
 Westphal U: 4060
 Weswig PH: 696
 Wettenhall HNB: 4514
 Wettlaufer JN: 2554
 Wexler BC: 2460
 Weymar A: 526, 3165
 Weżyk J: 4515
 Whalen RE: 1532, 4516
 Whanger PD: 696-697
 Wharton JT: 3471
 Whedon D: 3799
 Wheeler MA: 382
 Wheeler TK: 4517
 Whelan JE: 2696
 Whipp GT: 4558
 Whitaker EM: 2086
 Whitby LG: 4518
 Whitcomb ME: 473
 White A: 2693, 4519
 White AA: 4520-4521
 White BM: 3277
 White IG: 3300
 White JE: 3524
 White JJ: 1174
 White K: 1173
 White N: 1584, 4522
 White PK: 1980
 White RJ: 585
 White WF: 3461
 Whitehead DC: 4523
 Whitely TH: 4016
 Whitfield JF: 2627
 Whitley TH: 3066
 Whittingham S: 4183
 Wickramasinghe RH: 4524
 Widdowson DA: 235
 Widdowson EM: 4525
 Wide L: 3511
 Widholm O: 3351, 4526
 Widmańska-Czarniecka A: 4587
 Wiedeman CE: 3601
 Wiegand SJ: 3919
 Wiegmann W: 2193
 Wiegman T: 3306
 Wiegman, T: 4527
 Wiel DF van de: 4528
 Wlen GH: 2425
 Wiener JD: 988
 Wiens AW: 2882
 Wiernik PH: 3664
 Wiese J: 4529
 Wieser PB: 465
 Wigren A: 4530
 Wikberg J: 85
 Wikramanayake PR: 4531

Wikström M: 4532
 Wilber JF: 2848
 Wilcox CS: 4533
 Wildinsson LS: 4534
 Wilkins AL: 670
 Wilkinson M: 4535-4536, 4536
 Wilks JW: 1221
 Will H: 2267
 Willecke K: 4537
 Williams AO: 1968
 Williams D: 459
 Williams DE: 3074
 Williams DJ: 4538
 Williams DM: 4539
 Williams GR: 2282
 Williams JG: 3301
 Williams LT: 45
 Williams MJ: 4540
 Williams RH: 1777
 Williamson JG: 2132
 Williamson JH: 4431
 Willingham AK: 4541
 Willingham MC: 4542
 Willis AL: 4543-4544, 4544-4545
 Willmott FE: 4546
 Willis MR: 2855
 Wilson AE: 1050
 Wilson C: 220
 Wilson CA: 4547
 Wilson GM: 910
 Wilson GR: 2837
 Wilson HE: 211
 Wilson HR: 892
 Wilson JD: 1095
 Wilson JW: 3293
 Wilson L: 2621
 Wilson LD: 1314
 Wilson MG: 583, 4548-4550
 Wilson MI: 2789
 Wilson P: 4324, 4551
 Wilson RI: 2522
 Wilson WO: 3901
 Wilson WR: 1175
 Wilson CWM: 4552
 Winand J: 595
 Winand RJ: 2214
 Winans SS: 3641
 Winblad B: 1541
 Winckler J: 3653
 Winder WW: 4553
 Winer R: 4476
 Wing LM: 4554
 Winarski T: 1414, 3085
 Winkelmann RK: 4555
 Winkelstein JA: 3628
 Winter JS: 3431, 4556
 Wintour EM: 4557-4558
 Wise A: 4559
 Wise GJ: 4015
 Wise L: 2971
 Wisner WL: 1478
 Wishart DF: 4560
 Wiśniewski L: 4561
 Wiśniewski M: 505
 Wiszniovska G: 4375
 Witherspoon DM: 4184, 4562
 Witkowski R: 4563
 Wittbrodt S: 2771
 Wittke B: 1419
 Wittliff JL: 425-426, 4564
 Wize J: 4565
 Wlodawer A: 4566
 Wocial B: 4567
 Wójcicki H: 4568
 Wojciechowski J: 1412, 2289, 4569
 Woldring MG: 3306, 4527-4528
 Wolf AP: 148, 1767, 3105
 Wolf CR: 4570
 Wolff E: 4238
 Wolff G: 2845
 Wolff JP: 72
 Wolff M: 4509
 Wolff ME: 4571
 Wolff S: 4572
 Wolfson JJ: 1826
 Wollenberger A: 2267
 Wollheim C: 3804
 Wolosker M: 4288
 Wolter JR: 4573
 Wong ET: 2490

AUTHOR INDEX

Woo NC: 2626
 Woo S: 2755
 Wood DC: 2440
 Wood EH: 3312
 Wood GP: 1938
 Wood L: 4574
 Wood PL: 4575
 Wood RA: 4576
 Woodbridge P: 4577
 Woodcock DM: 4578
 Woodhull ML: 40
 Woodruff GN: 1159
 Woods HF: 455, 1549, 1561
 Woods RA: 235
 Woodward AH: 4579
 Woolever CA: 300
 Woolever P: 4580
 Woolen JW: 4531
 Woolley P Jr: 695
 Wooster MJ: 2011
 Worcel M: 245, 4581
 Worms AM: 3241
 Wormsley KG: 3630
 Wörner P: 4582
 Worwag Z: 4583-4584, 4584
 Wostmann BS: 3780
 Wotman S: 2665
 Wręblewicz W: 515, 4585-4589, 4587
 Wricke H: 1013
 Wright DE: 2486
 Wright JT: 226
 Wright KH: 1006
 Wright PW: 1713
 Wright WW: 2831
 Wrobel KH: 4588
 Wrong OM: 1518
 Wu YS: 442
 Wu F-T: 2235
 Wunsch E: 4062
 Wurm A: 2298
 Wurtman RJ: 4487, 4589
 Wüstenberg L: 4590
 Wyatt RD: 499
 Wynder EL: 3394
 Wynn J: 637
 Wyss HI: 2134

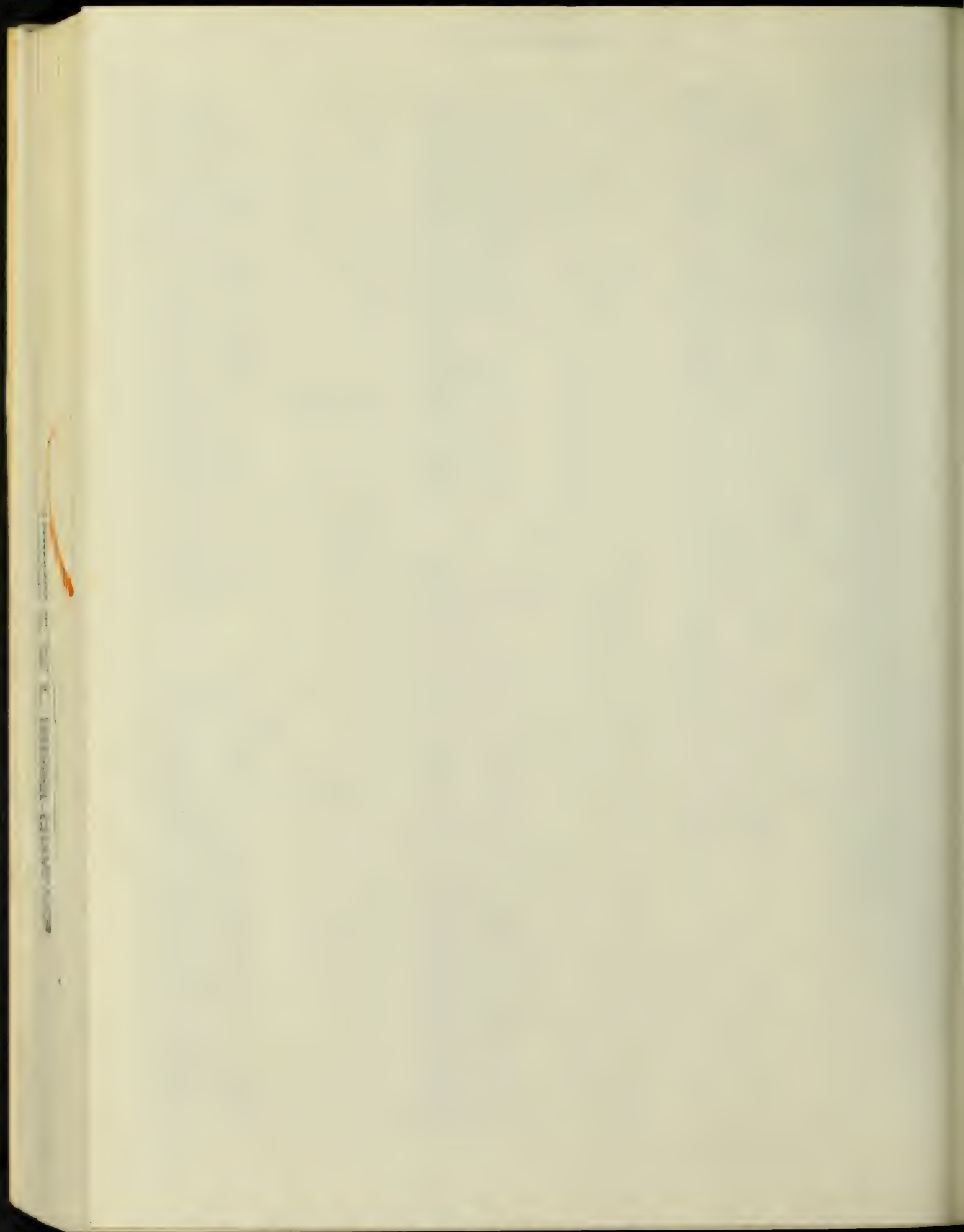
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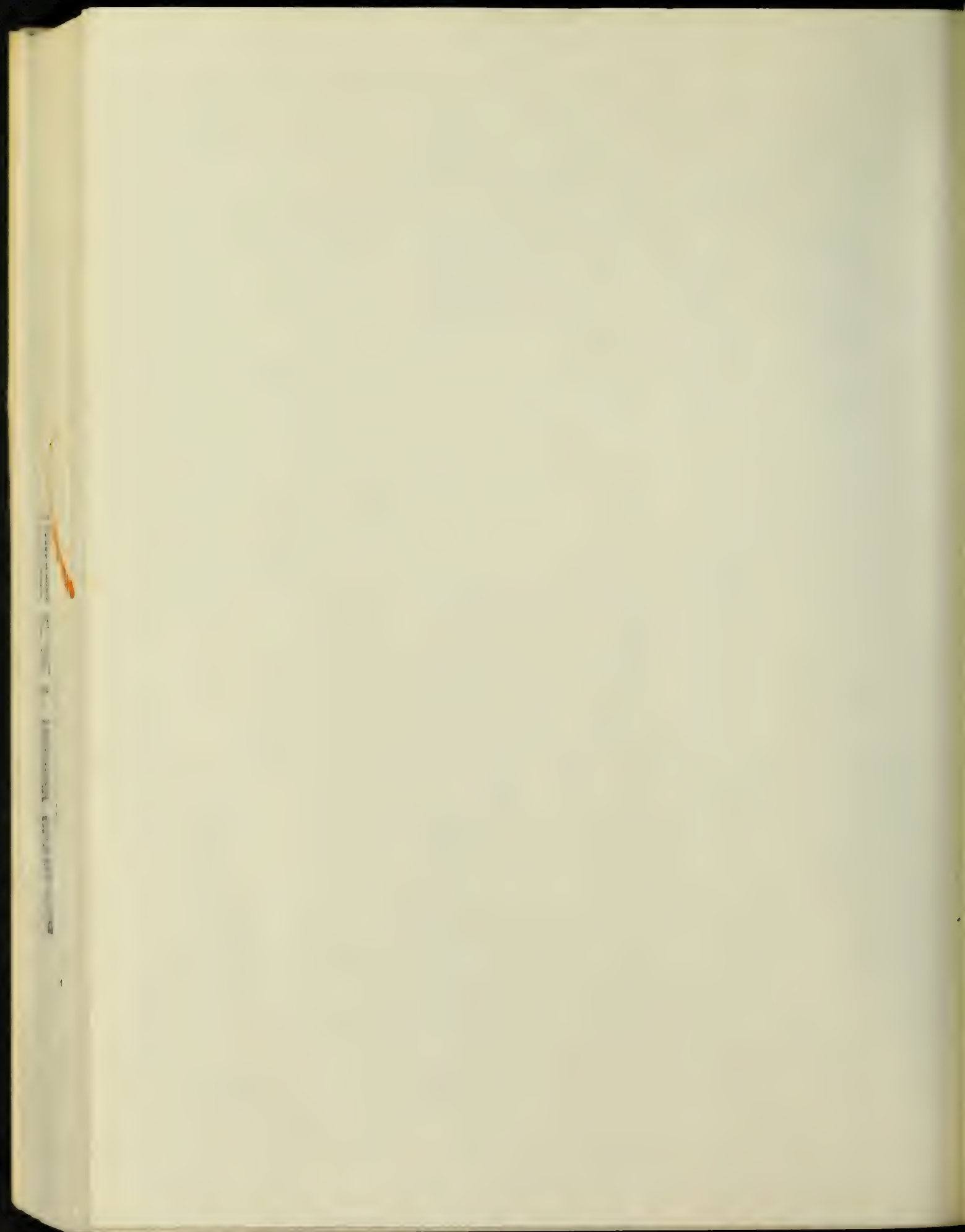
Yabumoto E: 3069
 Yagil R: 241
 Yaginuma T: 4591
 Yamada S: 2918
 Yamada T: 1697, 1964
 Yamada Y: 3071, 4072
 Yamagami T: 4592
 Yamaguchi S: 3042, 4593
 Yamaguchi T: 3585
 Yamakawa S: 2314
 Yamamoto I: 1912, 3263-3264, 4594
 Yamamoto M: 3585
 Yamamoto T: 160
 Yamanaka H: 3605
 Yamanaka T: 1817
 Yamazaki R: 2062
 Yamazaki S: 1950
 Yamamoto A: 2998
 Yan V: 4595
 Yanagisawa S: 4596
 Yandrasitz J: 3597
 Yang HF: 2404
 Yarbrow LR: 3759
 Yarger WE: 4196
 Yashphe J: 4597
 Yasujima M: 4
 Yates BM: 1499
 Yearly RA: 914
 Yehia SR: 4598
 Yellin TO: 4599
 Yen SS: 3150
 Yen T: 699
 Yen WM: 4600
 Yeoh SH: 4601
 Yo S: 3035
 Yokoyama S: 4602
 Yokoyama H: 4596
 Yoneda R: 2183
 Yonezawa K: 3833
 Yonuschot G: 480

Yoshida K: 3585
 Yoshida M: 2211, 4603
 Yoshida S: 4604
 Yoshie S: 1861
 Yoshikawa M: 1191, 1356
 Yoshikawa TT: 721
 Yoshimatsu H: 1950, 4605
 Yoshimoto A: 2738
 Yoshimoto T: 1357
 Yoshimura F: 4606
 Yoshinaga K: 1805, 3586, 3624
 Yoshino M: 3098
 Yoshio S: 4607
 Yoshiya I: 4608
 Yosselson S: 4609
 Youdim MB: 1549
 Youtlen LJ: 2592
 Young D: 1989
 Young DA: 4610
 Young DS: 1484
 Young IM: 4560
 Young J: 1379
 Young JL: 4611
 Young LJ: 4612
 Young PM: 3583
 Young RJ: 4613
 Young SN: 2341
 Youngdale GA: 2635
 Youngdal EV: 1627, 3888, 3905, 4614
 Yousef MK: 4337
 Yu S: 3443
 Yuan LC: 1622
 Yudaev NA: 4615
 Yukimura Y: 1697
 Yuthasastrakosol P: 4616
 Yutzey DA: 321

Z

Zabel R: 4563
 Zachar V: 2194
 Zachariasen RD: 4617
 Zadunaisky JA: 278
 Zagorska EA: 4618-4619
 Záh W: 4620
 Zahn RK: 2901
 Zahn V: 4621
 Zahnd GR: 379
 Zaichenko LA: 4622
 Zaichik VE: 4623
 Zaidi SH: 2112
 Zajaczkowski T: 3988
 Zajtcuk JT: 4624
 Zakarija M: 2619
 Zakharchenko AG: 3790
 Zakharchuk SS: 3270
 Zakharian RA: 1382
 Zaleska-Rutczynska Z: 2287
 Zalewski J: 4625
 Zamrazil V: 4626
 Zan-Bar I: 4627-4628
 Zañartu J: 4629
 Zander J: 1358
 Zandveld JM: 1448
 Zanetti ME: 1674
 Zaninovich AA: 588, 4630-4631
 Zanzl I: 60
 Zapf B: 3679
 Zappl E: 4632
 Zappulla F: 589
 Zaprudskala DS: 3569
 Zarate A: 4633-4634
 Zaretskii MM: 3814
 Zarifian E: 4635
 Zarubina NA: 2259, 3957
 Zarzycki J: 3345, 4636
 Zasorin NL: 4637
 Zatz M: 3504
 Zavodskaya IS: 4638
 Zawada W: 4586-4587
 Zawirska B: 515
 Zazgornik J: 3684
 Zeballos G: 4639
 Zech P: 325
 Zeghal N: 1471
 Zekert F: 2788
 Zel'dovich DR: 2243
 Zelewski L: 4097
 Zeller R: 4640
 Zelnik M: 2082
 Zelson PR: 4564
 Zengo A: 2665
 Zenisek L: 1273
 Zernie-Pohls F: 3547
 Zerobin K: 4641
 Zervas NT: 4642
 Zervos N: 101
 Zervoudakis IA: 4643
 Zhamsaranova SD: 3952
 Zhánél J: 4644
 Zhavoronkov AA: 4645
 Zhdanov VM: 4646
 Zherebkova NS: 117
 Zhilinskaya AA: 3326
 Zhivotova NI: 4647
 Zhuber K: 2788
 Zhuchenko GA: 3790
 Zhukov-Verezhnikov NN: 4648
 Zhutaev IA: 1929
 Zieger G: 4649
 Ziegler H: 4650
 Ziegler HW: 4651
 Ziegler MG: 1970
 Zieliński M: 533
 Ziemiański A: 4652
 Zietkiewicz W: 528, 4653
 Ziff M: 1990
 Zil'ber ML: 3496
 Zilov VG: 4654
 Zilversmit DB: 2018
 Zimbalatti F: 3453
 Zimel A: 4655
 Zimel H: 4655
 Zimmerman AE: 3953
 Zimmerman BG: 3625
 Zimmerman EG: 4656
 Zimmerman J: 4657
 Zimmerman R: 1133
 Zimmerman RE: 1585
 Zimmerman SW: 4658
 Zingoni S: 737
 Zink HA: 610-611
 Zinn WM: 102
 Zinner P: 2692
 Zipkin I: 2510
 Zipser RD: 4659
 Zittoun R: 4660
 Zivelin A: 1517
 Zivný J: 2292
 Zizine L: 4661
 Zizka J: 4662
 Zollinger RM Jr: 2605
 Zolotarev II: 3333
 Zor U: 975, 2936
 Zublate M: 4296
 Zuccaro G: 4663
 Zucker I: 708, 3559
 Zucker R: 1074
 Zuckerman SH: 4664
 Zull JE: 606
 Zuppinger KA: 4665-4666
 Zuppulla F: 737
 Zürcher B: 4667
 Zürcher K: 4668
 Zuspan FP: 3890-3891, 4669





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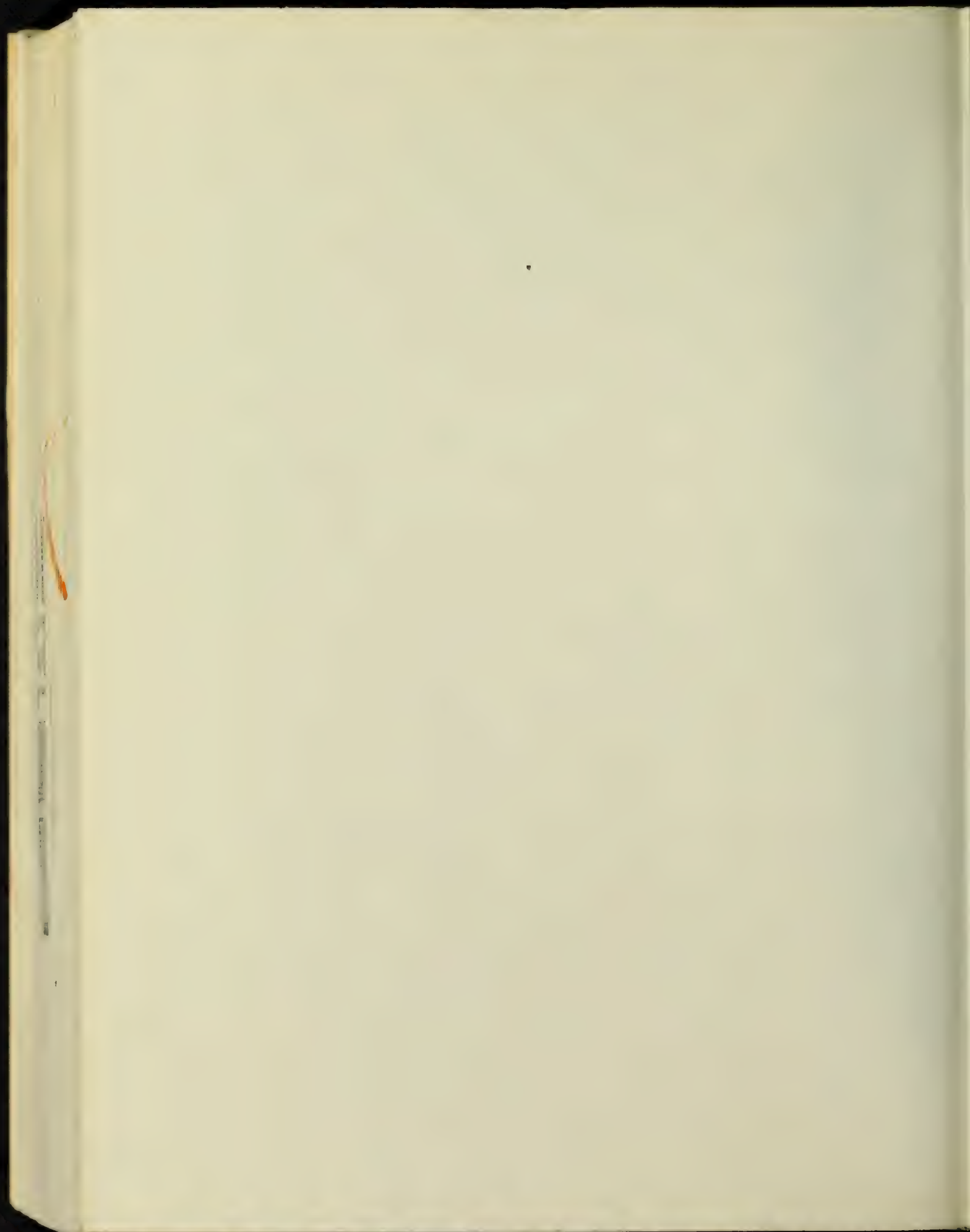
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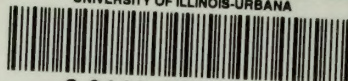
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